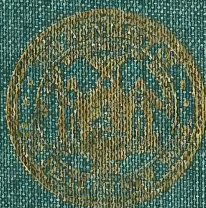


SELECTED DEEP WELLS AND AREAS  
OF GAS PRODUCTION IN  
WESTERN NEW YORK

BY  
WM. LYNN KADILLER  
*Senior Geologist*

*Geological Survey  
New York State Museum and Science Service*



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NEW YORK STATE MUSEUM  
AND SCIENCE SERVICE  
BULLETIN NUMBER 390

*The University of the State of New York  
The State Education Department*

Albany, N. Y.

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# SELECTED DEEP WELLS AND AREAS OF GAS PRODUCTION IN WESTERN NEW YORK\*

BY

WM. LYNN KREIDLER  
*Senior Geologist*

## Introduction

This report on selected deep wells and areas of gas production in western New York, with its companion volume, *New York State Museum Bulletin Number 373, Selected Deep Wells and Areas of Gas Production in Eastern and Central New York* shows all exploration and production areas for natural gas in the State. It also indicates areas where very little exploration has been carried on and suggests the need for testing of deeper horizons throughout the State.

The major production in western New York has been from the Medina sandstone (Silurian) and the Oriskany sandstone (Devonian). Minor gas production has come from the Onondaga limestone (Devonian) and from various shallow Devonian reservoir beds above the Onondaga formation. Records of gas drilling activities (Oriskany or deeper) have been systematically acquired by the oil and gas section of the Geological Survey, New York State Museum and Science Service, since 1950. In this report these subsurface geological data have been tabulated on wells that have penetrated the Lower Devonian Oriskany and deeper formations. The well locations are shown on an accompanying map and should serve as an aid to further oil and gas exploration in New York State.

## Acknowledgments

It is not possible to list all the companies and individuals that contributed data for this report. The author wishes especially to express his thanks to the following companies and individuals: Alden-Batavia Natural Gas Company; Appalachian Development Corporation; Churchville Oil and Natural Gas Company; DYM Corporation; Empire Gas and Fuel Co., Ltd.; Felmont Oil Corporation; Flanigan Brothers; Hanley & Bird; Iroquois Gas Corporation; International

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The author thanks the following for their aid in furnishing well records and map locations of wells in Canada: J. F. Caley and B. V. Sanford of the Canadian Geological Survey, Ottawa, Ontario, Canada; S. W. Goerss of the Dominion Natural Gas Company, Ltd., Buffalo, N. Y.; W. D. Brittain and B. Dimitroff of the Ontario Fuel Board, Toronto, Ontario, Canada.

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Special thanks are due James W. Wiggins for his aid in collecting well records; Richard Rowe for his assistance in assembling records. These men were formerly stationed in the Wellsville office of the Geological Survey, New York State Museum and Science Service.

P. J. Mudar and H. Herman, part-time employees of the survey, assisted in compiling the well data and locating wells on the accompanying map.

## Data Included

Table I of this report consists of approximately 1,550 wells completed on or before January 1, 1960. It includes all known exploratory wells drilled outside of gas producing or storage fields, plus selected wells to outline the fields. It is proposed to bring well data up to date at periodic intervals.

Records in this report, as well as records of field wells not used, are available at the offices of the Geological Survey, New York State Museum and Science Service, in Albany and Wellsville. Where the table indicates that sample cuttings are available, these also may be examined at one of the above offices. Such cuttings are not ordinarily loaned for outside examination. Drillers' logs, geologic logs, electrical and radioactivity logs are on file for many of the wells, with the exception of those held temporarily on a confidential basis at the

request of the operator. Open file records may be examined, and usually duplicated, in Albany and Wellsville.

The following wells and salt shafts, listed east to west, are used extensively in the body of the text. In subsequent discussions they will be referred to only by the name of the well:

| NAME OF WELL                          | TOWNSHIP           | COUNTY      |
|---------------------------------------|--------------------|-------------|
| E. C. Kesselring No. 1.....           | Van Etten.....     | Chemung     |
| Livonia Salt Shaft No. 1.....         | Livonia.....       | Livingston  |
| Sterling Salt Shaft No. 1.....        | Leicester.....     | Livingston  |
| A. King No. 1.....                    | Wellsville.....    | Allegany    |
| Bank of Angelica No. 3.....           | Allen.....         | Allegany    |
| H. Lockwood No. 1.....                | Genesee Falls..... | Wyoming     |
| L. Newton No. 1.....                  | Wirt.....          | Allegany    |
| A. Gilbert No. 1.....                 | Wirt.....          | Allegany    |
| K. R. Wilson No. 1.....               | Arcade.....        | Wyoming     |
| Elma Deep Well.....                   | Elma.....          | Erie        |
| Depew Well No. 2.....                 | Lancaster.....     | Erie        |
| Bradshaw No. 2.....                   | Newfane.....       | Niagara     |
| Beemis Estate No. 1.....              | Red House.....     | Cattaraugus |
| George Batton.....                    | Collins.....       | Erie        |
| Ellis No. 1.....                      | Perrysburg.....    | Cattaraugus |
| Serial No. 807—Iroquois Gas Corp..... | Evans.....         | Erie        |
| B. Pierce No. 1.....                  | Brant.....         | Erie        |
| J. M. Niehaus No. 2.....              | Sheridan.....      | Chautauqua  |
| R. Bates No. 1.....                   | Ellery.....        | Chautauqua  |
| Kyle Morse No. 1.....                 | Harmony.....       | Chautauqua  |
| O. R. Reed No. 1.....                 | French Creek.....  | Chautauqua  |

## Explanation of Map and Table

The map scale is 1 inch equals approximately 4 miles (1:250,000). International, State, and county boundary lines, major lakes and rivers are shown conventionally. A grid pattern of the 15-minute quadrangles of the United States Geological Survey overlies the map. Where feasible, names of the quadrangles appear in the upper left-hand corner. In Canada, since quadrangle names were not known or available to the author, the quadrangles were arbitrarily assigned a letter of the alphabet. Quadrangles extend south one tier and west three tiers into Pennsylvania. The same pattern extends north into the Province of Ontario, Canada. Latitude and longitude, as well as a number of cities, towns, and villages, are given to aid in the location of individual wells.

The information obtained from drillers' and geologic records of gas wells was gathered from the files of companies and individuals that are operating, or have operated, in the area of the map (Western



1/5). These data are recorded on index cards and the wells located by latitude and longitude on 15-minute quadrangles from location plats, farm maps, township maps, and additional information obtained by field visits.

The well locations were transferred from the 15-minute quadrangles (scale 1:62,500) to the base map (scale 1:250,000). The wells are located and numbered serially by quadrangles. Appropriate symbols indicate results and deepest formation tested for each well.

The boundary marked "Outcrop of Oriskany Horizon" was taken from the Geologic Map of New York (1901) and, where possible, was drawn at the top of the Oriskany formation. Where the Oriskany is absent in western New York, the base of the Onondaga limestone was used to indicate the projected Oriskany horizon. Where the Oriskany is known to be present, it was so indicated on the map.

The "no sand" area on the map, indicating where Oriskany sandstone is apparently absent, was outlined through the study of well samples, drillers' logs and geologic logs. This absence may be due either to erosion, or to nondeposition because of a pre-Oriskany high. Three Oriskany outliers were mapped in the "no sand" area. The western ends of the inferred Oriskany boundaries are dashed and have no closure, indicating the lack of sufficient subsurface data.

Table I lists the well records used with a skeletal log of each record. These are located in the table by quadrangles. The quadrangles listed begin in the northeastern part of New York on the Western 1/5 map and are arranged from east to west in every tier of quadrangles from north to south until the map section is covered. Pennsylvania and Canada well records are included in table I and follow the New York well records in that order. In the column labeled "Remarks," the type of data on file for further study is indicated with a brief resume of the individual well.

In the index which accompanies the table, wells are arranged in alphabetical order by farm names. The county, quadrangle, map number, and page number on which the record appears are listed opposite the well name.

## General Stratigraphy

As an aid to geologists unfamiliar with the geology of western New York, a brief resume of the geologic column from the surface outcrop down to the basement is given. This includes a brief description of the lithology, thickness, and contacts of the rock units.

On the Western 1/5 map, the Queenston formation, Ordovician

in age, is exposed south of Lake Ontario. The Silurian formations crop out south of the Queenston formation. The main physiographic feature of the Silurian is the east-west trending Niagara Escarpment formed by the Lockport dolomites. The Devonian formations are concentrated south of the belt of the Silurian rocks. In southern New York, near the New York-Pennsylvania boundary, are remnant exposures of the Carboniferous. This is a general picture of the surface geology of western New York in which the older Paleozoic is progressively overlain southward by younger Paleozoic rocks in the Allegheny synclinorium. The regional dip is away from the Precambrian high, which, in this area, is the Canadian Shield of Canada.

## *Devonian*

For ease of comparison with well records, the Devonian period will be discussed in descending order.

**Upper Devonian:** The lithologies of the Upper Devonian rocks in the surface and subsurface, covered by the Western 1/5 map of New York, vary widely and progressively from east to west. Typical lithological changes, sometimes occurring in a very short period, are: continental red and green beds to marine beds; sandstones to siltstones to shales; light gray shales to dark gray shales; and dark gray shales to black shales.

The source of the continental beds was to the southeast. Here, a land mass rose throughout the Middle Devonian and continued through most of the Upper Devonian. This created more and more clastic sediments which were distributed as the Catskill Delta. Additional sediments gradually caused the expansion of this delta into what is now western New York and the deposition of the Cattaraugus red beds (nonmarine) of Cattaraugus and Allegany Counties. In the vicinity of Wellsville, N. Y., continental beds are found lower in the section, interfingering with the marine beds in the Germania. During this period of the westward encroachment of the Catskill Delta, marine conditions prevailed in western New York.

The rock units of the Upper Devonian of western New York are difficult to trace on the surface and more so in the subsurface. In making subsurface correlations, one must keep in mind the following: There are progressive lithologic changes; surface exposures are often some distance north of the well being studied; and varying nomenclature is applied to surface rock units in the literature by stratigraphers, paleontologists, and petroleum geologists.

When correlating subsurface rock units of the Upper Devonian, it is apparent that rock units in Allegany County, because of facies

changes, have been assigned other names in Chautauqua County. The exceptions are some of the black shales that can be identified and correlated in the subsurface from Allegany County into Chautauqua County. They (Dunkirk, Geneseo, etc.) appear to be the most useful horizons as they can be readily identified in the subsurface and thus serve as a framework on which to base intermediate correlations.

The following is a generalized comparison of the Upper Devonian in Allegany County with that in Chautauqua County: In the Wellsville (Allegany County, N. Y.) area, the Upper Devonian is 3,375 feet thick. Just to the east of Wellsville, the Germania beds cap the hills with the Wellsville beds at the base of the hills. The upper 1,450 feet down through the Dunkirk black shales consists of fine-grained, light greenish-gray and light gray sandstones with interbedded greenish-gray, sandy, fossiliferous shales. There are a few interbedded chocolate-brown and reddish-brown fine-grained sandstones.

The commercial oil sands of New York are in this section. Commercial gas has been found for local consumption west of Fredonia in Chautauqua and Erie Counties, also in Allegany, Cattaraugus, and Steuben Counties. In the oil-producing counties, the wells which yield gas along with oil are bottomed in the Canadaway group, while wells which produce gas alone are bottomed in either the Canadaway group or the next lower group.

There are an estimated 1,925 feet of sedimentary rocks from the base of the Dunkirk grayish-black shales to the top of the Tully limestone or, where this is absent, to the base of the grayish-black Geneseo shales. These are mostly shales, but, as the rocks are penetrated, they have the following lithologic characteristics: The upper shales are greenish-gray, sandy, slightly calcareous with interbedded very fine-grained, light greenish-gray and light brownish-gray sandstones. Below this, the shales are gray to dark gray with some interbedded sandy shales and very fine-grained gray sandstones. The lower shales are gray, grayish-black to black. They are slightly calcareous in the basal part of the Geneseo shale beds.

In the interval between the Dunkirk and Geneseo black shales, there are several black shale beds that, following further study, may very well serve as horizon markers in subsurface correlation.

In the vicinity of Jamestown (Chautauqua County, N. Y.), the Upper Devonian is approximately 2,500 feet thick. The hills in this general area are capped by the Cattaraugus (marine) beds with the Ellicottville and Dexterville shales at the base of the hills. The upper 1,500 feet down through the Dunkirk black shales consist of light gray to medium gray siltstones and shales that are slightly cal-



careous. There are a few interbedded medium dark gray shales and light to medium gray, fine-grained sandstones.

There are an estimated 1,000 feet of sedimentary rocks from the base of the Dunkirk black shales to the base of the Geneseo black shales. These are mostly shales that are gray to dark gray with interbeds of light gray shale and grayish-black shales. In some wells, there are several thin-bedded limestone horizons in the lower 200 feet. At present, it would be difficult to relate definitely any of these limestone horizons with the Tully limestone, which is found in the subsurface in Allegany County.

In the interval between the Dunkirk and Geneseo shales, gas has been found for local consumption in Chautauqua and Erie Counties.

**Middle Devonian:** The Middle Devonian rock units in the subsurface of the area under discussion unconformably underlie the Upper Devonian Geneseo shale and, in most cases, unconformably overlie the Upper Silurian. In going down section, the Middle Devonian consists of the Tully formation, Hamilton group, and the Onondaga formation. Below is a brief resume of the Middle Devonian rock units as they are encountered or penetrated in the subsurface.

The Tully is a very fine, dense, grayish-brown limestone. It ranges up to 53 feet in thickness. This formation is not exposed on the surface in the area covered by this report. The most westerly surface exposure of the Tully is about 1 mile north of Rushville, N. Y., and east of Canandaigua Lake. In the subsurface, the Tully does occur as far west as eastern Cattaraugus County. In the A. King No. 1, the Tully is 53 feet thick as against a reported 10 feet in the Beemis Estate No. 1. This indicates a decrease in thickness westward. It seems appropriate, at this time, to point out that the name "Tully" has been misused in the past and has been assigned to other thin limestone units that occur in western Cattaraugus and Chautauqua Counties where one would expect to find the Tully. It is hoped that future detailed subsurface correlation will clarify this problem.

The A. Gilbert No. 1 (Fettke, 1950) produced gas from the Tully limestone or top of the Hamilton. This well started the deep-sand exploration drilling program in the southern and southwestern counties of New York and north-central Pennsylvania which led to the discovery of the Oriskany gas fields of that area. The Gilbert No. 1 is now used for underground storage of gas.

The Hamilton group unconformably underlies the Tully limestone in Allegany and eastern Cattaraugus Counties. Further west, where the Tully is absent, it may underlie unconformably the Upper Devonian Geneseo shale.

The Hamilton group is composed predominantly of shales that are gray to dark gray to grayish-black and are slightly calcareous. They contain a few thin-bedded limestones; e.g., Menteth, Tichenor, Centerfield, and Stafford. The thickness of the Hamilton group ranges from about 500 feet at Wellsville, N. Y., to an estimated 225 feet at Jamestown, N. Y.

In the A. King No. 1, the Hamilton shale group is 505 feet thick compared with 214 feet in the Bates No. 1. This westward thinning of the Hamilton group is mainly due to the increasing distance away from its source material in the east.

Commercial gas for local consumption has been found in the Hamilton group in Livingston, Ontario, Schuyler, and Yates Counties.

The Onondaga limestone conformably underlies the Hamilton shale group. It is a key bed of the Middle Devonian of New York, both on the surface as well as the subsurface.

In western New York, the Onondaga limestone, going down section, can be divided into four parts: Unit I is light gray to medium gray, very fine-grained limestone with light to medium gray chert. It is separated from Unit II by a 6-inch bed of brownish-gray micaceous bentonite (Tioga). Unit II is medium gray, very fine-grained limestone with corals and dark gray chert. It contains some shale partings. Unit III is medium gray, thin-bedded, very fine-grained shaly limestone with abundant dark gray chert. Unit IV is light gray, massive, very coarsely crystalline limestone with coral reefs and light gray chert.

The Springvale is considered to be basal Onondaga. It consists of sand grains in a limestone matrix and is considered to be reworked Oriskany. It contains glauconite as well as phosphate nodules, which usually mark its base. The Springvale is not a continuous horizon. There are two exposures on the Western 1/5 map. One is at Morganville, and the other was in a quarry, now abandoned and filled, near Buffalo. In the quarry, the Springvale was found in cracks and crevices that penetrated the Silurian Akron formation.

A summarized geologic log of the Livonia Salt Shaft No. 1 (Luther, 1894), located just east of the Western 1/5 map, assigns 140 feet to the Onondaga formation with the lower 5 feet representing the Springvale. Here the Springvale overlies the Lower Devonian Manlius (?) and Rondout (?) with the Oriskany sandstone absent.

The average thickness of the Onondaga limestone formation is 70 feet in Allegany County and increases to about 230 feet in Chautauqua County. In the A. King No. 1, the Onondaga limestone is 46 feet thick, which may be compared with 199 feet in the R. Bates No. 1 (Donnerstag and MacDonald, 1952).

The Onondaga gas production in Erie and Cattaraugus Counties comes from the middle and lower part of the Onondaga formation. One of the oldest gas storage fields in the country is the Zoar field discovered in 1886. Gas was first injected into the Zoar field in 1916 for underground storage in the Onondaga-Oriskany formation.

In the subsurface the Onondaga limestone formation overlies the Lower Devonian Oriskany sandstone formation in the southern half of Allegany County and the southeastern part of Cattaraugus County. North and west of the area where the Oriskany is present in the subsurface, the Onondaga overlies either the Upper Silurian Akron formation or the Bertie group. In the subsurface of Chautauqua and Erie Counties, the Onondaga formation usually overlies the Akron formation.

**Lower Devonian:** The Oriskany formation is not exposed on the surface of western New York. In the subsurface the Oriskany sandstone is found in most of Allegany County and the southeastern part of Cattaraugus County. It is interesting to note that, in the Oriskany-absent area, recorded well data indicate the presence of Oriskany sandstone in several isolated places (see map). The Oriskany sandstone is white to light gray, fine to medium grained with some rounded and frosted grains. Glauconite is usually present in the uppermost part. The thickness of the Oriskany ranges from 50 feet in the A. King No. 1 to absent in the Kyle Morse No. 1.

In most of the area covered by this report, the Oriskany unconformably overlies the Upper Silurian, Akron, or Bertie dolomites. It is possible that, in eastern and southern Allegany County, the Oriskany unconformably overlies the Lower Devonian Manlius or Rondout formations. In the Livonia Salt Shaft No. 1, there are 18 feet of limestone below the Onondaga and above the Akron. This may be the Manlius or Rondout which crop out further east.

The Oriskany sandstone is one of the major gas-bearing horizons in New York State. The area that has proved to be most productive of Oriskany gas includes Allegany, Cattaraugus, Chemung, Schuyler, Steuben, and Yates Counties in New York. Four of the depleted Oriskany gas fields have been converted to gas storage fields.

### *Silurian*

Prior to Onondaga deposition in western New York, there occurred a period of differential erosion which caused parts of the Upper Silurian and Lower Devonian to be removed.

The Silurian rocks, in descending order, consist of the following geologic formations or groups: Akron formation, Bertie group, Salina



group, Guelph-Lockport group, Clinton group, and Medina group. The Akron formation, Bertie group, and Salina group will be briefly described, but, due to insufficient subsurface data, they are lumped together as Upper Silurian to arrive at a more accurate thickness.

**Upper Silurian:** The Akron of western New York is the dolomitic facies of the coralline Cobleskill limestone of central and eastern New York. In the subsurface the Akron dolomite, where recognized, ranges from 6 feet to 25 feet.

The Bertie consists of waterlimes, shales, and dolomites. In the subsurface this group, where recognized, ranges from 7 feet to 65 feet.

The Salina consists of the Camillus, Syracuse Salt, and Vernon formations. In the subsurface of the western part of this report, specifically in most of Erie and Chautauqua Counties, the Camillus overlies the Lockport, and the Syracuse Salt and Vernon formations are absent. In the subsurface of the eastern part of this report, the Camillus gray shales, dolomites, and anhydrites overlie the Syracuse formation that consists of beds of rock salt with interbedded shales, dolomites, and anhydrites. The Vernon formation is predominantly red and green shales overlying the Guelph-Lockport dolomites.

The Upper Silurian, in the Bank of Angelica No. 3, ranges to about 1,030 feet, with an estimated 450 feet in Serial No. 807 (Fettke, 1952). The L. Newton No. 1 shows about 1,240 feet as against approximately 550 feet in the Kyle Morse No. 1. These wells show a definite thinning to the west and a thickening to the south.

**Guelph-Lockport Group:** The Guelph-Lockport group unconformably underlies the Salina group. It consists of dolomites and limestones with a little interbedded shale. The dolomites are gray, very fine (sugary) to crystalline, massive, and sandy in places. The limestones are dolomitic. The uppermost dolomite member (Oak Orchard) and one of the middle members (Devils Hole) are Guelph dolomite facies entering the Lockport group from the west.

The Lockport-Guelph group ranges up to 150 feet in outcrops in the Niagara Falls area. An average subsurface thickness of 215 feet was arrived at by using 13 scattered wells that penetrated the Guelph-Lockport group. The Guelph-Lockport group in the H. Lockwood No. 1 is approximately 235 feet, with an estimate of 160 feet in Serial No. 807. The L. Newton No. 1 indicates the Guelph-Lockport to be about 246 feet compared with 250 feet in the O. R. Reed No. 1. In the subsurface, well data indicate a thickening of the Lockport-Guelph to the south.

Although gas has been encountered in the lower part of the Guelph-Lockport group in central New York, none has been found in



western New York. There appears to be an unconformity between the Lower Guelph-Lockport and the Upper Decew dolomite. In examining well cuttings of this interval, due to similar lithology, the Decew would be considered lowermost Guelph-Lockport. The uppermost Clinton group (Rochester shale) grades up into the Decew dolomite.

**Clinton Group:** The Clinton group, going down section, is predominantly a silty and argillaceous dark gray shale (Rochester) with interbedded limestone. It overlies a light gray, coarsely crystalline (pinkish cast) limestone (Irondequoit) with pyrite. The limestone becomes more argillaceous with interbeds of dark gray calcareous shale near its base. The Middle Clinton group, present in central New York, is missing in this area. The Irondequoit limestone lies unconformably upon a medium-gray crystalline limestone (Reynales), which in turn overlies a green shale (Neahga-Maplewood). The green shale is underlain by a gray-white sandstone (Thorold-Kodak).

The outcrop of the Clinton group, in the Genesee Gorge at Rochester, is approximately 175 feet, of which 115 feet are assigned to the Upper Clinton. In the subsurface, the Clinton group, in the Sterling Shaft No. 1, is about 195 feet, with an estimate of 109 feet in Serial No. 807. This shows a westward thinning of the Clinton group.

Commercial gas has been produced from the Lower Clinton in Chautauqua and Erie Counties. *Note:* In table I, under "Remarks," Clinton refers to the lower sandy part of the Clinton group in which gas production or gas shows occurred. This is not indicative of the true thickness of the Clinton group.

**Medina Group:** The Medina group unconformably underlies the Clinton group in the eastern area of this report, but in the western part the contact is gradational. The Medina group, going down section, is a series of red, green, and gray shales, and red sandstones (Grimsby) that is mainly continental in origin. In the western part of the area under discussion, the Grimsby rests upon light greenish-gray shales and siltstones (Cabot Head—Rumsey Ridge) that are marine in origin. These, in turn, overlie a fine-grained, light gray to white quartzitic sandstone (Whirlpool).

In the subsurface, the Grimsby formation is found throughout the area under discussion. The Cabot Head formation and the Rumsey Ridge formation are confined to the western half, but the Whirlpool formation ("White Medina") underlies most of the area.

The outcrop of the Medina group ranges up to 113 feet in the Niagara Gorge, of which about 60 feet is assigned to the Grimsby. In the subsurface, the Medina group in the H. Lockwood No. 1 is

about 75 feet, which may be compared with approximately 130 feet in the Ellis No. 1 (Bowerman, unpublished report). This shows a westward thickening of the Medina group.

The oldest and steadiest gas production in New York State is from the Medina group. The Lower Medina (Whirlpool) has been the main producing zone in the State, with the Upper Medina (Grimsby) also proving to be of commercial importance. Eight of the depleted Medina fields have been converted to underground gas storage fields.

### *Ordovician*

In the area under discussion, the Ordovician rocks, in descending order, consist of the following geologic formations or groups: Queenston formation, Oswego formation, Lorraine group, Utica group, Trenton-Black River groups, and Tribes Hill formation. In places, in the subsurface, the Lorraine group and Utica formation are difficult to separate lithologically, and so are identified as a unit. This is also true of the Trenton-Black River groups, which are usually identified in logs as a single rock unit. Due to recent sample studies, the E. C. Kesselring No. 1 (J. W. Wiggins, 1959) is well known. Therefore, many thicknesses of units in the western sheet are compared to it.

**Queenston Formation:** In the subsurface, the Queenston formation is overlain unconformably in most of this area by the Silurian Whirlpool formation. To the east, the Queenston red beds are overlain unconformably by the Silurian Grimsby formation. Here the contact is not clear, and, for the time being, the beginning of the Ordovician has been placed at the base of the first massive siltstone bed.

The Queenston is predominantly a red shale that is partly silty and slightly calcareous. The shales have interbeds of very fine-grained, reddish-brown, argillaceous sandstone and reddish-brown, slightly calcareous siltstone. There are minor amounts of interbedded greenish-gray shales and siltstones. In the subsurface, the Queenston formation ranges from 905 feet to 1,060 feet and averages 1,000 feet in thickness.

The Queenston is not noted for its gas production, but some gas has been found in the upper sandy facies of this rock unit.

**Oswego Formation:** The Oswego sandstone formation, where present, underlies the Queenston formation. In places, the contact is gradational and is placed where the white or gray sandstone prevails over the red shales and sandstones.

The Oswego formation is a greenish-gray, very fine-grained sandstone which is argillaceous and slightly calcareous. The Oswego

sandstone usually has some interbedded greenish-gray, brick-red, and purplish-gray shales.

In wells the Oswego is found as far west as the Ellis No. 1, where it has a recorded thickness of 70 feet. The Oswego is apparently absent in the Kyle Morse No. 1 and the Bemis Pierce No. 1. The Oswego has a reported thickness of 70 feet in the Elma Deep Well and George Batton No. 1, with a thickness of 75 feet in the Depew No. 2.

In the K. R. Wilson No. 1, the Oswego formation is 117 feet thick in comparison to 675 feet in the E. C. Kesselring No. 1. This indicates a thickening to the southeast of the Oswego formation. It is believed that, with thickening, increase in grain size, and close association with the underlying marine shales, the Oswego would make an excellent reservoir for gas or oil, especially where it is controlled by structural or stratigraphic traps.

**Lorraine Group:** The contact between the Oswego formation and the Lorraine group is well defined or sharp, but, in places where the Oswego formation is absent, the Queenston formation unconformably overlies the Lorraine group.

In the subsurface, the contact between the Lorraine shale group and the underlying Utica shale formation is gradational, and the top of the Utica shale formation is picked by the change in color from light to medium gray to the dark gray to black shales. The lithology of the Lorraine group and the Utica formation will be discussed separately, but, due to gradation, the total thickness of the Lorraine group and the Utica formation will be considered as a single rock unit.

The Lorraine group is a gray, slightly calcareous shale with some interbedded fine-grained sandstone and siltstone. The gray shales become darker near the base of the Lorraine.

**Utica Formation:** The Utica formation is a dark gray to black, slightly calcareous shale with some interbedded gray, somewhat calcareous siltstone.

The total thickness of the Lorraine-Utica is uniform throughout this area. The following thicknesses in wells are reported: K. R. Wilson No. 1, 818 feet; Ellis No. 1, 830 feet; Kyle Morse No. 1, 855 feet. This compares to 835 feet recorded in the E. C. Kesselring No. 1.

Gas pockets have been reported in the Utica formation, but, so far, they have not been of commercial importance.

**Trenton-Black River Groups:** There is a definite lithologic break between the Utica black shales and the underlying Trenton-Black River limestone groups.

The Trenton-Black River groups consist predominantly of lime-



stone with interbedded shales. Going down section, the limestones are dark gray, dense with shell fragments, crinoid stems, and some interbedded dark gray calcareous shale. This is followed by limestones that are gray, tan, and white, dense to coarsely crystalline with scattered fossils and streaks of dark gray to black calcareous shales. The above limestones are underlain by tan, light to dark gray, dense to very finely crystalline limestone with several micaceous (bentonite) shale beds present, and some interbedded gray shale beds.

The combined Trenton-Black River groups are uniform in thickness throughout this area. The following thicknesses are recorded in wells: K. R. Wilson No. 1, 767 feet; Ellis No. 1, 780 feet; and the Kyle Morse No. 1, 731 feet. This compares favorably with a thickness of 772 feet reported in the E. C. Kesselring No. 1.

Gas from the Trenton-Black River groups has been produced for local consumption in Oswego, Oneida, Onondaga, Lewis, and Erie Counties. A show of oil and gas was reported in the K. R. Wilson No. 1 well. In Ohio, commercial oil is produced from the Trenton limestone, which is more dolomitic there.

**Major Unconformity:** The Chazy (limestone) group and most of the Beekmantown group are not present below the Trenton-Black River groups in western New York. Well data also indicate the partial removal or nondeposition of the lowermost Black River formation. This indicates a long erosional period which occurred during the Middle-Lower Ordovician time and created this major unconformity. The possibilities are therefore excellent for the existence of stratigraphic traps that would accumulate commercial quantities of gas or oil.

**Tribes Hill Formation:** Beneath the major unconformity, the lower Beekmantown Tribes Hill formation is light gray, dense to very fine crystalline dolomitic limestone, containing some fine sub-rounded and frosted quartz grains. In the lower part of the Tribes Hill formation, the limestone becomes more dolomitic.

In the Ellis No. 1, there are recorded 194 feet of Tribes Hill. Below are listed shows of gas in the upper half of the Tribes Hill formation that have been reported in four of the wells in western New York: K. R. Wilson No. 1, 25 MCF; Ellis No. 1, 100 MCF; J. M. Niehaus No. 2, 200 MCF, later decreased to 75 MCF; Kyle Morse No. 1, 60 MCF.

### *Cambrian*

Cambrian rocks were recently (1957) penetrated by the Ellis No. 1,



and a microscopic sample study (Bowerman, unpublished report) was made of the well cuttings. A total thickness of 651 feet of Cambrian rocks was indicated with the following Cambrian formations present in descending order, through gradational contacts: Little Falls dolomite, Theresa sandstone and dolomite, and the Potsdam sandstone.

North of the Ellis No. 1, data indicate the rapid thinning of the Cambrian formations. In the Bradshaw No. 2, published data show the Trenton-Black River groups underlain by 20 feet of "Calcififerous beds," which could be either the Ordovician Tribes Hill formation or the Cambrian Theresa formation.

South of the Ellis No. 1, the Cambrian rocks are believed to increase in thickness. If this is the case, the Little Falls could range up to 200 to 400 feet in southern Chautauqua County. This would mean that the Kyle Morse No. 1 stopped in the Little Falls dolomite rather than the Theresa formation.

The lithologic description and thicknesses of the Cambrian rocks will be taken from the Ellis No. 1, as this well entered the basement complex.

**Little Falls Formation:** This is mainly a light gray to light tan to tan, finely crystalline dolomite with a few rounded and frosted quartz grains. In the upper 13 feet, there are occasional beds of white sandstone. The Little Falls formation is 181 feet thick in the Ellis No. 1.

The Ellis No. 1 did not encounter gas in the Little Falls, but salt water, 32 feet below the top of the Little Falls, indicates good porosity.

**Theresa Formation:** This is mainly dolomite with interbedded sandstone. It contains some dark gray, laminated, slightly dolomitic shale in the upper 20 to 30 feet. The dolomite, white to light tan, is finely crystalline, dense, and sandy. The sandstone is white, fine- to medium-grained quartz with dolomitic cement and contains streaks of light tan, medium-textured sandy dolomite. Sample analysis indicates the Theresa to be 303 feet thick in the Ellis No. 1.

No gas was encountered in the Theresa formation penetrated in the Ellis No. 1, but salt water was encountered at 50 feet and 77 feet below the top of the Theresa. Such porosity zones would make excellent reservoirs for gas and oil, especially where the accumulation is controlled by structural or stratigraphic traps.

**Potsdam Formation:** This is predominantly a sandstone with minor beds of dark gray and tan, very finely textured dolomite and dark gray shale. The Potsdam sandstone has very fine- to medium-textured quartz grains that are mainly subangular. The recorded thickness of the Potsdam formation in the Ellis No. 1 is 167 feet.

No gas, oil, or salt water were encountered in the Potsdam of the Ellis No. 1, but shows of gas have been found in Oswego and Onondaga Counties. There was a reported show of oil in a well near Morrisonville, Clinton County. In the K. R. Wilson No. 1, a large amount of salt water was encountered 72 feet below the top of the Potsdam formation.

## General Structure

There is one surface structural feature worth noting on the Western 1/5 map. This is the Clarendon-Linden fault (Chadwick, 1919). The northern extension of this, where it cuts the Silurian, is usually considered a fault. However, the interpretation of the southerly portion, which cuts the Devonian, is controversial and perhaps monoclinical (Sutton, 1951). This fault may be either a hinge fault upthrown on the east or a slip fault in which the western side has moved north, relative to the eastern side.

In Pennsylvania there are rather prominent anticlinal and synclinal folds with axes trending northeast-southwest or parallel to the long axis of the Allegheny synclinorium. The folds become less pronounced in New York and gradually decrease to the northwest, so that they are hardly perceptible in northern Allegany and Steuben Counties (Kreidler, 1953).

In drilling for Oriskany gas in western New York, wells have proved the existence of anticlines, synclines, and faults. The domes along the anticlinal trends are complicated by faults which parallel the axial trends and in places cross these trends. In this area, the Oriskany gas is predominantly controlled by anticlinal or structure traps. In a few instances, the stratigraphic pinchout of the Oriskany sandstone to the north has been the controlling factor in commercial accumulation of gas production from the Oriskany formation.

To the north and northwest of Allegany and Steuben Counties, the main commercial gas accumulation comes from the Silurian Medina formation. The main structural feature is a southerly dipping homocline upon which are superimposed several structural terraces on which a number of the gas fields are located. In the Medina fields the gas is in porous sandstone lenses which are sealed by nonpermeable parts of the reservoir. In a few cases, drilling operations have indicated the presence of structural closure.

## Conclusions

In future exploration for natural gas in New York State, it is felt that a more scientific approach must be carried on in locating suitable

traps for the accumulation of natural gas or oil in commercial quantities. Also, one should not only consider the possibilities of production from the Onondaga, Oriskany, Lockport, Clinton, Oneida, and Medina, but give some serious consideration for the deeper beds, such as the Oswego, Trenton, Tribes Hill, Little Falls, Theresa, and Potsdam. Finally, one should not forget the major unconformity in western New York State in which part of the Middle and Lower Ordovician formations are absent.

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# Table I

## *Well Records Utilized*

### New York

|                            |                  |
|----------------------------|------------------|
| Well Records . . . . .     | Pages 22 to 319  |
| Index to Records . . . . . | Pages 320 to 347 |

### Pennsylvania

|                            |                  |
|----------------------------|------------------|
| Well Records . . . . .     | Pages 349 to 390 |
| Index to Records . . . . . | Pages 391 to 394 |

### Canada

|                            |                  |
|----------------------------|------------------|
| Well Records . . . . .     | Pages 395 to 402 |
| Index to Records . . . . . | Page 404         |

The following symbols are used under "Remarks" in table I to indicate types of records available in the Albany and Wellsville offices of the Geological Survey, New York State Museum and Science Service. The abbreviations in "Remarks" are those in common usage by the oil and gas industry.

- \* set of samples
- \*P partial set of samples
- (\*) geological or sample analysis
- (\*P) partial geological or sample analysis
- \*\* drillers' log
- \*\*P partial drillers' log

The following abbreviations are used in the table:

|                        |                                 |
|------------------------|---------------------------------|
| cf. cubic feet         | K. B. Kelly bushing             |
| Mcf. 1,000 cubic feet  | I. R. P. initial rock pressure  |
| bbls. barrels          | I. O. F. initial open flow      |
| a/s. after shooting    | D. & A. dry and abandoned       |
| a/f. after fracture    | P. & A. plugged and abandoned   |
| S. W. salt water       | sd. sand                        |
| Lbs. pound/square inch | N. P. not present               |
| Alt. altimeter         | N. R. no record                 |
| D. F. derrick floor    | Grd. ground                     |
| Drlg. drilling         | S. L. M. steel line measurement |
| Est. estimate          | Topo. topographic               |

## NEW YORK

TABLE I

| COUNTY         |                          | ORLEANS   | ORLEANS   | NIAGARA  | NIAGARA                 |
|----------------|--------------------------|---|---|--|-------------------------|
| QUADRANGLE     |                          | Kendall   | Kendall   | Olcott   | Olcott                  |
| MAP NUMBER     |                          | 1   | 2   | 1  | 2                       |
| NAME OF WELL   |                          |   | Hobby No. 1   | Bradshaw No. 2   | Bradshaw No. 1          |
| OPERATOR       |                          | J. W. Stearns   |   | Niagara Oil & Gas Co.  | Niagara Oil & Gas Co.   |
| TOWNSHIP       |                          | Murray  | Gaines  | Newfane  | Newfane                 |
| LATITUDE       |                          | 10,400' North of 43° 15'  | 6,780' North of 43° 15' Est.  | 6,600' North of 43° 15'  | 6,600' North of 43° 15' |
| LONGITUDE      |                          | 2,400' West of 78° 00'  | 7,200' West of 78° 10' Est.   | 3,300' East of 78° 45'   | 2,110' East of 78° 45'  |
| DATE COMPLETED |                          | 1898  | 1922  | 1/4/1892   | 1891                    |
| ELEVATION      |                          | 380'  | 475' Topo.  | 350' Topo.   | 350' Topo.              |
| TULLY          |                          |   |   |  |                         |
| ONONDAGA       |                          |   |   |  |                         |
| ORISKANY       |                          |   |   |  |                         |
| SALT ZONE      |                          |   |   |  |                         |
| LOCKPORT       |                          |   |   |  |                         |
| MEDINAN        | RED MEDINA (GRIMSBY)     |   |   |  |                         |
|                | WHITE MEDINA (WHIRLPOOL) |   |   |  |                         |
| QUEENSTON      |                          |   |   |  |                         |
| OSWEGO         |                          |   |   |  |                         |
| TRENTON        |                          | 1,420'-2,025'+  |   | 1,200'-1,910'  | 1,435'-2,115'           |
| POTSDAM        |                          |   |   |  |                         |
| PRECAMBRIAN    |                          |   |   | 1,930'—  | 2,134'—                 |
| TOTAL DEPTH    |                          | 2,025'  | N. R.   | 1,980'   | 2,134'                  |
| DEEPEST FM.    |                          | Trenton   | Trenton   | Precambrian  | Precambrian             |
| REMARKS        |                          | Lorraine & Utica shale 850'-1,420'. I. O. F. 100 Mcf. I. R. P. 200 Lbs. Gas at 1,770', 1,827', 1,965' & 1,975'. **p | S. W. and trace oil at 1,450'. Show of gas at 1,750'. Deepened in 1929. | "Calcliferous" 1,910'-1,930'. Show of gas 1,912'-1,918'. P. & A. | P. & A.                 |

TABLE I (Cont.)

| MONROE  | MONROE                                  | MONROE                     | MONROE  | MONROE  |
|---|---|----------------------------|---|---|
| Bergen  | Bergen                                  | Bergen                     | Bergen  | Bergen  |
| 1   | 2                                       | 3                          | 4   | 5   |
| Ehrentraut<br>No. 2   | Giglio No. 1                            | Woolston<br>No. 1          | Wm. Embling<br>No. 1  | Reber No. 1   |
| Churchville Oil<br>& Nat. Gas Co.   |   |                            |   |   |
| Riga  | Riga                                    | Riga                       | Riga  | Riga  |
| 700' North<br>of 43° 05'  | 300' North<br>of 43° 05'                | 1,500' North<br>of 43° 05' | 700' North<br>of 43° 05'                                    | 1,600' North<br>of 43° 05'  |
| 800' East<br>of 77° 55'   | 10,800' West<br>of 77° 55'              | 5,900' East<br>of 77° 50'  | 4,300' West<br>of 77° 50'                                   | 2,600' West<br>of 77° 50'   |
|   | 1913                                    | 1914                       | 1913  | 1934  |
| 545'  | 565'                                    | 551'                       | 555'  | 542'  |
|   |   |                            |   |   |
|   |   |                            |   |   |
|   |   |                            |   |   |
|   |   |                            |   | N. P.   |
| -290'   |   |                            |   | 30'-301'  |
| 436' -  | 465' -                                  | 435' -                     | 446'? -   | 430'-508'   |
|   |   |                            |   |   |
|   |   |                            |   |   |
|   |   |                            |   |   |
|   |   |                            |   |   |
|   |   |                            |   |   |
|   |   |                            |   |   |
| 540'  | 552'                                    | N. R.                      | 540'  | 512'  |
| Queenston   | Queenston                               | N. R.                      | Medina  | Queenston   |
| Gas near base<br>of Niagara.<br>Gas at top<br>and bottom<br>of Medina.<br>P. & A. | 1st gas at<br>475'. 2nd<br>gas at 510'. |                            | 1st gas at<br>475'. 2nd gas<br>at 495'.<br>I. O. F. 25 Mcf. | Clinton at<br>425'-430'.<br>Show gas at<br>282'. Gas at<br>442' & 497'.<br>I. O. F. 15 Mcf. |



## NEW YORK

TABLE I (Cont.)

| COUNTY         |                          | MONROE  | MONROE                  | MONROE  | MONROE   |
|----------------|--------------------------|---|-------------------------|---|--|
| QUADRANGLE     |                          | Bergen  | Bergen                  | Bergen  | Bergen   |
| MAP NUMBER     |                          | 6   | 7                       | 8   | 9  |
| NAME OF WELL   |                          | Ehrentraut No. 3                              | Keck No. 3              | Reber No. 2   |  |
| OPERATOR       |                          | Churchville Oil & Nat. Gas Co.                |                         |   |  |
| TOWNSHIP       |                          | Riga  | Riga                    | Riga  | Sweden   |
| LATITUDE       |                          | 200' North of 43° 05'                         | 2,800' North of 43° 05' | 100' North of 43° 05'   | 14,000' South of 43° 15' Est.  |
| LONGITUDE      |                          | 1,000' West of 77° 50'                        | 2,800' West of 77° 50'  | 2,700' West of 77° 50'  | 6,500' West of 77° 55' Est.  |
| DATE COMPLETED |                          | 1916  | 1915                    | 1934  | 1883   |
| ELEVATION      |                          | 545'  | 555'                    | 560'  | 538'   |
| TULLY          |                          |   |                         |   |  |
| ONONDAGA       |                          |   |                         |   |  |
| ORISKANY       |                          |   |                         |   |  |
| SALT ZONE      |                          |   |                         |   |  |
| LOCKPORT       |                          |   |                         |   |  |
| MEDINAN        | RED MEDINA (GRIMSBY)     | 446'—   | 433'?—                  | 459'—537'   |  |
|                | WHITE MEDINA (WHIRLPOOL) |   |                         |   |  |
| QUEENSTON      |                          |   |                         |   |  |
| OSWEGO         |                          |   |                         |   |  |
| TRENTON        |                          |   |                         |   | 1,400'—2,000'+   |
| POTSDAM        |                          |   |                         |   |  |
| PRECAMBRIAN    |                          |   |                         |   |  |
| TOTAL DEPTH    |                          | 539'  | N. R.                   | 565'  | 2,000'+  |
| DEEPEST FM.    |                          | Queenston                                     | N. R.                   | Queenston   | Trenton  |
| REMARKS        |                          | Medina gas pay in 2nd and 12th screw in sand. | Gas at 488'—493'        | Clinton at 424'—459'. Show gas at 481', 537'—565'. I. O. F. 2 Mcf. 10 Mcf. a/s. P. & A. | Location at Brockport. Red shale at 500'—950'. Lorraine & Utica shale 1,000'—1,400'. Show gas at 1,200'. P. & A. |

TABLE I (Cont.)

| ORLEANS   | ORLEANS  | GENESEE                                    | GENESEE  | NIAGARA                                   |
|---|--|--|--|---|
| Albion  | Medina   | Medina                                     | Medina   | Lockport                                  |
| 1   | 1  | 2  | 3  | 1   |
| Henry Emilkamp  |  | J. Gibson                                  | J. Gibson  | Gasport Well                              |
| C. Coyle et al.   |  |  | N. Y. Central Gas Co.                            |   |
| Clarendon   | Albion   | Oakfield                                   | Batavia  | Royalton                                  |
| 1,000' South of 42° 10'   | 2,000' South of 43° 15' Est.   | 24,000' North of 43° 00' Est.              | 11,300' North of 43° 00'                         | 11,800' North of 43° 10'                  |
| 3,500' East of 78° 05'  | 2,000' West of 78° 15' Est.  | 6,000' West of 78° 15' Est.                | 7,300' West of 78° 15'                           | 3,000' East of 78° 35'                    |
| 1932  | 1900   | 1913                                       | 9/16/13  | 1884                                      |
| 660' Topo.  | 518' Topo.   | 750' Topo.                                 | 885'   | 520' Topo.                                |
|   |  |  |  |   |
|   |  |  | 20'-60'  |   |
|   |  |  |  |   |
|   |  |  |  |   |
|   |  | 575'—                                      | 575'-738'  |   |
| 207'-252'   | Surface  | 878'—                                      | 878'-970'  | Surface                                   |
|   |  |  |  |   |
|   |  |  | 970'-2,000'                                      |   |
|   |  |  | 2,000'-2,075'                                    |   |
| 1,972'-2,713'   | 1,814'—  | 2,750'-3,440'                              | 2,750'-3,440'                                    | 1,800'—                                   |
|   |  |  |  |   |
| 3,019'—   |  |  |  |   |
| 3,030'  | 2,300'   | 3,450'                                     | 3,450'   | 2,007'                                    |
| Precambrian   | Trenton  | Trenton                                    | Trenton  | Trenton                                   |
| Show gas at 986' & 2,700'. S. W. at 2,700' & 3,025'. P. & A. ** | Deepest formation reported as Potsdam or Calciferous. Show of gas. P. & A. | Clinton at 835'. Show gas at 615'. P. & A. | Clinton 835'-856'. Show gas at 615'. P. & A. **p | Show gas 1,000' below Medina. P. & A. **p |

## NEW YORK

TABLE I (Cont.)

| COUNTY         |                                | ERIE                       | NIAGARA   | NIAGARA   | ERIE                        |
|----------------|--------------------------------|----------------------------|---|---|-----------------------------|
| QUADRANGLE     |                                | Lockport                   | Lockport  | Tonawanda   | Tonawanda                   |
| MAP NUMBER     |                                | 2                          | 3   | 1   | 2                           |
| NAME OF WELL   |                                |                            | J. W. McCollum  | German  |                             |
| OPERATOR       |                                |                            |   | Wendt Bros.   |                             |
| TOWNSHIP       |                                | Newstead                   | Lockport  | Cambria   | Amherst                     |
| LATITUDE       |                                | 8,000' North<br>of 43° 00' | 29,500' South<br>of 43° 15' Est.  | 8,700' South<br>of 43° 10'  | 10,400' North<br>of 43° 00' |
| LONGITUDE      |                                | 1,400' West<br>of 78° 30'  | 11,500' East<br>of 78° 45' Est.   | 12,000' West<br>of 78° 55'  | 2,550' East<br>of 78° 50'   |
| DATE COMPLETED |                                |                            | 1895  | 1914-1946   |                             |
| ELEVATION      |                                | 665' Topo.                 |   | 620' Topo.  | 575' Topo.                  |
| TULLY          |                                |                            |   |   |                             |
| ONONDAGA       |                                |                            |   |   |                             |
| ORISKANY       |                                |                            |   |   |                             |
| SALT ZONE      |                                |                            |   |   |                             |
| LOCKPORT       |                                |                            |   |   |                             |
| MEDINAN        | RED<br>MEDINA<br>(GRIMSBY)     |                            |   |   |                             |
|                | WHITE<br>MEDINA<br>(WHIRLPOOL) |                            |   |   |                             |
| QUEENSTON      |                                |                            |   |   |                             |
| OSWEGO         |                                |                            |   |   |                             |
| TRENTON        |                                |                            |   |   |                             |
| POTSDAM        |                                |                            |   |   |                             |
| PRECAMBRIAN    |                                |                            |   |   |                             |
| TOTAL DEPTH    |                                | N. R.                      | 2,150'  | 375' Est.   | N. R.                       |
| DEEPEST FM.    |                                | N. R.                      | Trenton   | N. R.   | N. R.                       |
| REMARKS        |                                | P. & A.                    | Show gas at<br>1,150'. I. R. P.<br>87 Lbs.<br>Well started<br>near base of<br>Clinton.<br>P. & A. | Gas production<br>from<br>White Medina.<br>I. R. P. 60 Lbs.<br>Sanborn field<br>well. | P. & A.                     |



| ERIE   | ERIE   | ERIE   | ERIE                            | ERIE                            |
|--|--|--|---------------------------------|---------------------------------|
| Tonawanda  | Tonawanda  | Tonawanda  | Tonawanda                       | Tonawanda                       |
| 3  | 4  | 5  | 6                               | 7                               |
| North Buffalo Gas Co.  | J. Frish   | Gunther Estate 2   | No. 24                          | No. 26                          |
|  |  |  |                                 |                                 |
| Tonawanda  | Tonawanda  | Tonawanda  | Amherst                         | Amherst                         |
| 8,100' North of 43° 00'  | 3,400' North of 43° 00'  | 650' North of 43° 00'  | 200' North of 43° 00'           | 1,400' North of 43° 00'         |
| 1,800' East of 78° 50'   | 1,800' West of 78° 50'   | 1,100' West of 78° 50'   | 5,850' East of 78° 50'          | 9,300' East of 78° 50'          |
| 7/12/17  |  | 2/15/22  |                                 |                                 |
| 575' Topo.   | 570' Topo.   |  |                                 |                                 |
|  |  |  |                                 |                                 |
|  |  |  |                                 |                                 |
|  |  |  |                                 |                                 |
|  |  |  |                                 |                                 |
| 307'-507'  | 220'-410'  | 235'-435'  |                                 |                                 |
| 635'-715'  | 516'-595'  | 545'-623'  |                                 |                                 |
| 715'-737'  | 610'-636'  | 633'-663'  |                                 |                                 |
| 737' —   | 636' —   | 663' —   |                                 |                                 |
|  |  |  |                                 |                                 |
|  |  |  |                                 |                                 |
|  |  |  |                                 |                                 |
|  |  |  |                                 |                                 |
| 740'   | 667'   | 710'   | N. R.                           | N. R.                           |
| Queenston  | Queenston  | Queenston  | Queenston?                      | Queenston?                      |
| Clinton 605'-635'. Gas at 607'. I. O. F. 32 Mcf. I. R. P. 300 Lbs. Medina dry. | Clinton 485'-511'. Show gas at 491'. Gas at 628'. I. O. F. 12 Mcf. | Clinton 520'-545'. Gas at 525', 610'. I. O. F. 20 Mcf. I. R. P. 245 Lbs. | Gas production in White Medina. | Gas production in White Medina. |

## NEW YORK

TABLE I (Cont.)

| COUNTY         |                                | ERIE                       | ERIE                       | ERIE                                      | ERIE                       |
|----------------|--------------------------------|----------------------------|----------------------------|---|----------------------------|
| QUADRANGLE     |                                | Tonawanda                  | Tonawanda                  | Tonawanda                                 | Tonawanda                  |
| MAP NUMBER     |                                | 8                          | 9                          | 10  | 11                         |
| NAME OF WELL   |                                | No. 11                     | Company Lot                | Well No. 8                                | Company Lot                |
| OPERATOR       |                                |                            |                            |   |                            |
| TOWNSHIP       |                                | Amherst                    | Amherst                    | Amherst                                   | Amherst                    |
| LATITUDE       |                                | 3,800' North<br>of 43° 00' | 7,200' North<br>of 43° 00' | 6,850' North<br>of 43° 00'                | 7,800' North<br>of 43° 00' |
| LONGITUDE      |                                | 19,250' East<br>of 78° 50' | 5,400' West<br>of 78° 45'  | 11,500' East<br>of 78° 50'                | 13,600' West<br>of 78° 45' |
| DATE COMPLETED |                                |                            |                            |   |                            |
| ELEVATION      |                                |                            | 582'                       |   | 575'                       |
| TULLY          |                                |                            |                            |   |                            |
| ONONDAGA       |                                |                            |                            |   |                            |
| ORISKANY       |                                |                            |                            |   |                            |
| SALT ZONE      |                                |                            |                            |   |                            |
| LOCKPORT       |                                |                            | 205'-415'                  |   | 208'-388'                  |
| MEDINAN        | RED<br>MEDINA<br>(GRIMSBY)     |                            | 507' -                     |   | 493' -                     |
|                | WHITE<br>MEDINA<br>(WHIRLPOOL) |                            |                            |   |                            |
| QUEENSTON      |                                |                            |                            |   |                            |
| OSWEGO         |                                |                            |                            |   |                            |
| TRENTON        |                                |                            |                            |   |                            |
| POTSDAM        |                                |                            |                            |   |                            |
| PRECAMBRIAN    |                                |                            |                            |   |                            |
| TOTAL DEPTH    |                                | N. R.                      | 672'                       | N. R.                                     | 660'                       |
| DEEPEST FM.    |                                | Queenston?                 | Queenston?                 | Queenston?                                | Queenston?                 |
| REMARKS        |                                | P. & A.                    | P. & A.                    | Gas produc-<br>tion from<br>White Medina. | (*)                        |





| COUNTY         |                                | ERIE   | ERIE  | GENESEE   | GENESEE  |
|----------------|--------------------------------|--|---|---|--|
| QUADRANGLE     |                                | Tonawanda  | Tonawanda   | Caledonia   | Caledonia  |
| MAP NUMBER     |                                | 17   | 18  | 1   | 2  |
| NAME OF WELL   |                                | J. F. Weinheimer<br>No. 2  | Dan Streeter<br>No. 1   | W. Cook<br>No. 1  | A. Purdy<br>No. 1  |
| OPERATOR       |                                | J. F. Weinheimer<br>Inc.   | Dan Streeter  |   |  |
| TOWNSHIP       |                                | Tonawanda  | Amherst   | Pavilion  | Pavilion   |
| LATITUDE       |                                | 1,600' North<br>of 43° 00'   | 1,500' North<br>of 43° 00'  | 6,950' North<br>of 42° 55'  | 8,500' North<br>of 42° 55'   |
| LONGITUDE      |                                | 2,350' East<br>of 78° 50'  | 9,300' East<br>of 78° 50'   | 7,100' East<br>of 78° 00'   | 9,300' West<br>of 77° 55'  |
| DATE COMPLETED |                                | 7/8/58   | 3/4/55  | 1925  | 11/1925  |
| ELEVATION      |                                | 583' D. F.   |   | 910'  | 930'   |
| TULLY          |                                |  |   |   |  |
| ONONDAGA       |                                |  |   | 225'-370'   | 236'-380'  |
| ORISKANY       |                                |  |   |   |  |
| SALT ZONE      |                                |  |   | 808'-852'   | 806'-846'  |
| LOCKPORT       |                                | 220'-436'  | -452'   | 1,015'-1,205'   | 1,015'-1,218'  |
| MEDINAN        | RED<br>MEDINA<br>(GRIMSBY)     | 547'-613'  | 555'-630'   | 1,392'-1,489'   | 1,399'-1,511'  |
|                | WHITE<br>MEDINA<br>(WHIRLPOOL) | 626'-651'  | 646'-670'   |   | 1,511' -   |
| QUEENSTON      |                                | 651'-1,555'  |   |   |  |
| OSWEGO         |                                | 1,555'-1,660'  |   |   |  |
| TRENTON        |                                |  |   |   |  |
| POTSDAM        |                                |  |   |   |  |
| PRECAMBRIAN    |                                |  |   |   |  |
| TOTAL DEPTH    |                                | 3,168'   | N. R.   | 1,512'  | 1,520'   |
| DEEPEST FM.    |                                | Tribes Hill?   | Queenston?  | Queenston   | Queenston  |
| REMARKS        |                                | Gas at 525',<br>577', 1,450',<br>1,495' & 1,513'.<br>26.5 Mcf.<br>a/s at 1,507'-<br>1,525'. I. R. P.<br>200 Lbs.<br>*P | Clinton at<br>526'-551'.<br>Gas at 531'.<br>Gas from<br>Clinton, Red<br>and White<br>Medina. I. O. F.<br>100 Mcf. a/s<br>658 Mcf. | Clinton at<br>1,355'-1,367'.<br>Smoke at 1,060'.<br>Black water<br>at 1,130'.<br>Show gas 7<br>Mcf. in Red<br>Medina at<br>1,485'.<br>P. & A. | Clinton at<br>1,356'-1,371'.<br>Smoke and<br>black water<br>at 1,060'.<br>I. O. F. 22<br>Mcf. I. R. P.<br>440 Lbs. |

| GENESEE  | GENESEE   | GENESEE  | GENESEE   | GENESEE   |
|--|---|--|---|---|
| Caledonia  | Caledonia   | Caledonia  | Caledonia   | Caledonia   |
| 3  | 4   | 5  | 6   | 7   |
| Farley No. 1   | C. Davis<br>No. 1   | N. McCall<br>No. 1   | J. Martin   | S. Shepard<br>No. 1   |
|  |   |  | Pavilion Natural<br>Gas Company                               | Alden-Batavia<br>Nat. Gas Co.   |
| Pavilion   | Pavilion  | Pavilion   | Pavilion  | Pavilion  |
| 7,100' North<br>of 42° 55'   | 5,850' North<br>of 42° 55'  | 6,400' North<br>of 42° 55'   | 13,100' South<br>of 42° 55'                                   | 13,500' South<br>of 42° 55'   |
| 7,600' West<br>of 77° 55'  | 8,500' West<br>of 77° 55'   | 11,500' West<br>of 77° 55'   | 5,550' East<br>of 78° 00'                                     | 8,400' East<br>of 78° 00'   |
| 1925   | 3/19/26   | 10/17/25   | 1919  | 10/4/14   |
| 898'   | 910'  | 940'   | 1,098' Topo.  | 1,110'  |
|  |   |  |   |   |
| 232'-376'  | 247'-389'   | 270'-412'  | 585'-730'   | 560'-710'   |
|  |   |  |   |   |
| 805'-849'  | 821'-866'   | 852'-897'  | 1,205'-1,250'   | 1,170'-1,210'   |
| 1,012'-1,215'  | 1,042'-1,246'   | 1,058'-1,262'  | 1,420'-1,600'   | 1,395'-1,580'   |
| 1,395'-1,497'  | 1,416'-1,523'   | 1,434'-1,544'  | 1,798'-1,901'   | 1,772'-1,882'   |
|  |   |  |   |   |
|  |   |  |   |   |
|  |   |  | 3,702'-4,082'+  |   |
|  |   |  |   |   |
|  |   |  |   |   |
| 1,550'   | 1,547'  | 1,559'   | 4,082'  | 1,911'  |
| Queenston  | Queenston   | Queenston  | Trenton   | Queenston   |
| Clinton at<br>1,351'-1,366'.<br>Gas at 1,485'.<br>Smoke at<br>1,105'. Black<br>water at<br>1,106'. I. O. F.<br>73 Mcf.<br>I. R. P. 440<br>Lbs.<br>** | Clinton at<br>1,374'-1,389'.<br>Smoke at<br>1,082'. Show<br>of gas at<br>1,148'. Gas at<br>1,438'. I. O. F.<br>95 Mcf. I. R. P.<br>420 Lbs.<br>** | Clinton at<br>1,394'-1,408'.<br>Smoke at<br>1,114'. Black<br>water at<br>1,170'. I. O. F.<br>15 Mcf.<br>I. R. P. 310<br>Lbs.<br>** | Clinton at<br>1,783'-1,798'.<br>Show gas at<br>1,894'.<br>**p | Gas at 1,872',<br>1,876', 1,878'<br>& 1,880'.<br>Black water<br>at 1,495'.<br>I. O. F. 1,400<br>Mcf. I. R. P.<br>350 Lbs. |

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TABLE I (Cont.)

| COUNTY         |                          | GENESEE  | GENESEE  | GENESEE                           | GENESEE                                     |
|----------------|--------------------------|--|--|-----------------------------------|---|
| QUADRANGLE     |                          | Caledonia  | Caledonia  | Caledonia                         | Caledonia                                   |
| MAP NUMBER     |                          | 8  | 9  | 10                                | 11  |
| NAME OF WELL   |                          | Shepard No. 2                                    | Van Buren  | Stuart No. 1                      | C. Johnson No. 1                            |
| OPERATOR       |                          | Pavilion Nat. Gas Co.                            |  |                                   | Alden-Batavia Nat. Gas Co.                  |
| TOWNSHIP       |                          | Pavilion   | Pavilion   | Pavilion                          | Pavilion                                    |
| LATITUDE       |                          | 13,600' North of 42° 50'                         | 14,800' North of 42° 50'                                       | 15,700' North of 42° 50'          | 15,100' South of 42° 55'                    |
| LONGITUDE      |                          | 900' East of 78° 00'                             | 4,350' East of 78° 00'   | 7,300' East of 78° 00'            | 9,200' East of 78° 00'                      |
| DATE COMPLETED |                          |  |  |                                   | 10/19/13                                    |
| ELEVATION      |                          | 1,210'   | 1,170'   | 1,110'                            | 1,120'                                      |
| TULLY          |                          |  |  |                                   |   |
| ONONDAGA       |                          | 695'-834'  | 685'-831'  | 570'-710'                         | 550'-690'                                   |
| ORISKANY       |                          |  |  |                                   |   |
| SALT ZONE      |                          | 1,304'-1,359'                                    | 1,276'-1,330'  | 1,150'—                           | 1,065'-1,205'                               |
| LOCKPORT       |                          | 1,520'-1,685'                                    | 1,520'-1,720'  | 1,390'—                           | 1,400'-1,585'                               |
| MEDINAN        | RED MEDINA (GRIMSBY)     | 1,904'-2,064'                                    | 1,900'-2,000' +  | 1,789'—                           | 1,792'-1,895' +                             |
|                | WHITE MEDINA (WHIRLPOOL) |  |  |                                   |   |
| QUEENSTON      |                          |  |  |                                   |   |
| OSWEGO         |                          |  |  |                                   |   |
| TRENTON        |                          |  |  |                                   |   |
| POTSDAM        |                          |  |  |                                   |   |
| PRECAMBRIAN    |                          |  |  |                                   |   |
| TOTAL DEPTH    |                          | 2,105'   | 2,000'   | N. R.                             | 1895'                                       |
| DEEPEST FM.    |                          | Queenston  | Medina   | Queenston?                        | Medina                                      |
| REMARKS        |                          | Clinton at 1,889'-1,904'. Black water at 1,590'. | Clinton at 1,885'-1,900'. Show gas at 1,968' & 1,980'. P. & A. | Clinton at 1,782'. Gas at 1,849'. | Gas at 1,875' & 1,885'. I. O. F. 5,000 Mcf. |



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TABLE I (Cont.)

| LIVINGSTON                           | LIVINGSTON                    | LIVINGSTON                  | LIVINGSTON                 | LIVINGSTON  |
|--------------------------------------|-------------------------------|-----------------------------|----------------------------|---|
| Caledonia                            | Caledonia                     | Caledonia                   | Caledonia                  | Caledonia   |
| 12                                   | 13                            | 14                          | 15                         | 16  |
| Salt Well                            | J. J. Gilmore                 | Well No. 1                  | Shaft No. 1                | Shaft No. 1   |
|                                      | Alden-Batavia<br>Nat. Gas Co. | York Salt<br>Co.            | Griegsville<br>Mining Co.  | Retsof Mining<br>Co.                                  |
| Caledonia                            | York                          | York                        | York                       | York  |
| 7,500' North<br>of 42° 55'           | 14,700' South<br>of 42° 55'   | 12,650' North<br>of 42° 50' | 1,000' North<br>of 42° 50' | 1,325' North<br>of 42° 50'                            |
| 9,850' East<br>of 77° 55'            | 8,350' West<br>of 77° 50'     | 4,525' West<br>of 77° 50'   | 3,550' East<br>of 77° 55'  | 9,200' East<br>of 77° 55'                             |
| Before 1893                          |                               | 1884                        | 10/1892                    | 9/10/1885   |
| 695' Topo.                           | 635' Topo.                    | 568'                        | 792'                       | 680' Topo.  |
|                                      |                               |                             |                            |   |
| 26'-174'                             | 208'-350'                     | 180'-320'                   |                            | 402'-544'   |
|                                      |                               |                             |                            |   |
| 650'-675'                            | 795'-830'                     | 744'-828'+                  |                            | 962'-1,005'+  |
|                                      | 1,025'-1,237'                 |                             |                            |   |
|                                      | 1,398'-1,518'                 |                             |                            |   |
|                                      |                               |                             |                            |   |
|                                      |                               |                             |                            |   |
|                                      |                               |                             |                            |   |
|                                      |                               |                             |                            |   |
|                                      |                               |                             |                            |   |
|                                      |                               |                             |                            |   |
| 748'                                 | 1,518'                        | 828'                        | N. R.                      | 1,141'  |
| Camillus                             | Queenston                     | Camillus                    | Camillus?                  | Camillus  |
| Salt well.<br>Salt water at<br>600'. | P. & A.                       | Salt well.                  |                            | Water lime<br>547'-615'.<br>Now used as<br>air shaft. |

| COUNTY         |                          | LIVINGSTON             | LIVINGSTON  | LIVINGSTON               | LIVINGSTON                  |
|----------------|--------------------------|------------------------|---|--------------------------|-----------------------------|
| QUADRANGLE     |                          | Caledonia              | Caledonia   | Caledonia                | Caledonia                   |
| MAP NUMBER     |                          | 17                     | 18  | 19                       | 20                          |
| NAME OF WELL   |                          | Well No. 1             | Fuller Shaft No. 1                                | Sterling Shaft           | G. F. Hudson                |
| OPERATOR       |                          | Livingston Salt Co.    | Retsof Mining Co.                                 | Sterling Salt Co.        | N. Y. Central Gas Co.       |
| TOWNSHIP       |                          | York                   | York  | Leicester                | Leicester                   |
| LATITUDE       |                          | 750' North of 42° 50'  | 2,100' South of 42° 50'                           | 13,500' North of 42° 45' | 7,400' North of 42° 45'     |
| LONGITUDE      |                          | 4,000' West of 77° 50' | 8,450' East of 77° 55'                            | 9,500' West of 77° 50'   | 8,400' East of 77° 55'      |
| DATE COMPLETED |                          | 1883                   | Before 1899                                       | 1905                     |                             |
| ELEVATION      |                          | 564'                   | 732.11'   | 614'                     | 585'                        |
| TULLY          |                          |                        |   |                          |                             |
| ONONDAGA       |                          | 265'-415'              | 443'-594'   | 475'—                    | 500'-630'                   |
| ORISKANY       |                          |                        |   |                          |                             |
| SALT ZONE      |                          | 868'-991'+             | 928'-1,160'+                                      | 947'-1,255'              | 1,125'-1,205'               |
| LOCKPORT       |                          |                        |   | 1,398'-1,582'            | 1,400'-1,640'               |
| MEDINAN        | RED MEDINA (GRIMSBY)     |                        |   | 1,778'—                  | 1,826'-1,901'               |
|                | WHITE MEDINA (WHIRLPOOL) |                        |   | 1,848'-1,871'            |                             |
| QUEENSTON      |                          |                        |   | 1,871'—                  |                             |
| OSWEGO         |                          |                        |   |                          |                             |
| TRENTON        |                          |                        |   |                          |                             |
| POTSDAM        |                          |                        |   |                          |                             |
| PRECAMBRIAN    |                          |                        |   |                          |                             |
| TOTAL DEPTH    |                          | 991'                   | 1,160'  | 1,909'                   | 1,938'                      |
| DEEPEST FM.    |                          | Camillus               | Camillus  | Queenston                | Queenston                   |
| REMARKS        |                          | Salt well.             | Deepened in 1921. Main shaft now being used. (*P) | (*P)                     | Show gas at 1,886'. P. & A. |

TABLE I (Cont.)

| LIVINGSTON              | WYOMING  | WYOMING   | WYOMING  | WYOMING   |
|-------------------------|--|---|--|---|
| Caledonia               | Caledonia  | Caledonia   | Caledonia  | Caledonia   |
| 21                      | 22   | 23  | 24   | 25  |
| Phoenix Salt Well       | J. Murphy No. 1  | W. Armstrong No. 1  | J. Moag No. 1  | F. Fagan No. 1  |
| Phoenix Salt Co.        | Alden-Batavia Nat. Gas Co.                               | Republic <sup>1</sup>   | Republic   |   |
| Leicester               | Covington  | Covington   | Covington  | Covington   |
| 6,800' North of 42° 45' | 10,400' North of 42° 50'                                 | 4,500' North of 42° 50'   | 5,500' South of 42° 50'                                      | 4,400' South of 42° 50'                                   |
| 10,950' West of 77° 50' | 10,400' East of 78° 00'                                  | 8,100' East of 78° 00'  | 3,100' East of 78° 00'                                       | 7,550' East of 78° 00'                                    |
| 1885                    | 10/31/14   | 2/1/26  | 11/24/25   | 10/2/25   |
| 568'                    | 1,090'   | 1,195'  | 1,110'   | 1,080'  |
|                         |  |   |  |   |
| 470'-610'               | 640'-780'  | 835'-980'   | 840'-985'  | 790'-935'   |
|                         |  |   |  |   |
| 1,110'-1,145'           | 1,240'-1,300'  | 1,422'-1,489'   | 1,455'-1,520'  | 1,420'-1,485'   |
|                         | 1,465'-1,650'  | 1,670'-1,881'   | 1,692'-1,946'  | 1,640'-1,900'   |
|                         | 1,859'-1,954'  | 2,035' -  | 2,066'-2,146'  | 2,041'-2,102'   |
|                         |  | -2,124'   |  |   |
|                         |  | 2,124' -  | 2,146' -   |   |
|                         |  |   |  |   |
|                         |  |   |  |   |
|                         |  |   |  |   |
|                         |  |   |  |   |
| 1,145'                  | 2,006'   | 2,145'  | 2,156'   | 2,161'  |
| Camillus                | Queenston  | Queenston   | Queenston  | Queenston   |
| Abandoned salt well.    | 1st gas at 1,924'. I. O. F. 2,500 Mcf. I. R. P. 420 Lbs. | Clinton at 2,005'-2,020'. Smoke at 1,760'. Black water at 1,770'. P. & A. **p | Clinton at 2,036'-2,046'. Show of gas in Red Medina. P. & A. | Clinton at 1,998'-2,006'. Medina gas. I. O. F. 15 Mcf. ** |

<sup>1</sup> Republic Light, Heat & Power Corp.

| COUNTY         |                                | WYOMING  | WYOMING   | LIVINGSTON                                   | GENESEE                    |
|----------------|--------------------------------|--|---|--|----------------------------|
| QUADRANGLE     |                                | Caledonia  | Caledonia   | Caledonia                                    | Batavia                    |
| MAP NUMBER     |                                | 26   | 27  | 28   | 1                          |
| NAME OF WELL   |                                | K. Davis<br>No. 1  | F. Eaton  | E. Whitney<br>No. 1                          |                            |
| OPERATOR       |                                | G. L. Cabot,<br>Inc.   | H. French   | Alden-Batavia<br>Nat. Gas Co.                |                            |
| TOWNSHIP       |                                | Perry  | Perry   | York   | Batavia                    |
| LATITUDE       |                                | 15,100' South<br>of 42° 50'  | 3,700' North<br>of 42° 45'  | 13,400' South<br>of 42° 55'                  | 3,500' South<br>of 43° 00' |
| LONGITUDE      |                                | 6,200' East<br>of 78° 00'  | 1,350' East<br>of 78° 00'   | 6,700' West<br>of 77° 55'                    | 6,050' West<br>of 78° 10'  |
| DATE COMPLETED |                                | 12/1/41  | 7/31/41   | 4/23/46                                      | 1887                       |
| ELEVATION      |                                | 1,185'   | 1,330'  | 935' Topo.                                   | 889'                       |
| TULLY          |                                |  |   |  |                            |
| ONONDAGA       |                                | 1,088'-1,239'  | 1,290'-1,425'   | 435'-580'                                    | 100'-250'                  |
| ORISKANY       |                                | 1,239'-1,248'  | 1,425'-1,433'   |  |                            |
| SALT ZONE      |                                | 1,630'-1,710'  | 1,850'-1,906'   | 985'-1,085'                                  | 600'-601.3'                |
| LOCKPORT       |                                | 1,863'-2,080'  | 2,115'-2,340'   | 1,257'-1,452'                                | 750'-1,000'                |
| MEDINA         | RED<br>MEDINA<br>(GRIMSBY)     | 2,226'—  | 2,522'-2,586'   | 1,636'-1,751'                                | 1,100'—                    |
|                | WHITE<br>MEDINA<br>(WHIRLPOOL) | —2,313'  | 2,586'-2,591'   |  |                            |
| QUEENSTON      |                                | 2,313'—  | 2,596'—   |  |                            |
| OSWEGO         |                                |  |   |  |                            |
| TRENTON        |                                |  |   |  |                            |
| POTSDAM        |                                |  |   |  |                            |
| PRECAMBRIAN    |                                |  |   |  |                            |
| TOTAL DEPTH    |                                | 2,343'   | 2,631'  | 1,805'                                       | 2,000'                     |
| DEEPEST FM.    |                                | Queenston  | Queenston   | Queenston                                    | Queenston?                 |
| REMARKS        |                                | Clinton at<br>2,211'-2,226'.<br>Black water<br>at 1,970'.<br>Gas at<br>2,291'-2,309'.<br>I. O. F. 73<br>Mcf. I. R. P.<br>413 Lbs.<br>**p | Clinton at<br>2,473'-2,493'.<br>Black water<br>at 2,370'. No<br>gas, some<br>salt water in<br>Oriskany.<br>Medina dry.<br>P. & A. | I. O. F. 100<br>Mcf.<br>I. R. P. 410<br>Lbs. | P. & A.                    |



## NEW YORK

TABLE I (Cont.)

| GENESEE                  | GENESEE  | GENESEE   | GENESEE                 | GENESEE                 |
|--------------------------|--|---|-------------------------|-------------------------|
| Batavia                  | Batavia  | Batavia   | Batavia                 | Batavia                 |
| 2                        | 3  | 4   | 5                       | 6                       |
| C. H. & M. T. Schulz     | C. H. Ivison   | E. Kendall  | C. Kendall No. 2        | C. Wilson               |
|                          |  |   |                         |                         |
| Batavia                  | Stafford   | Stafford  | Stafford                | Stafford                |
| 12,650' South of 43° 00' | 11,500' North of 42° 55'   | 11,300' North of 42° 55'  | 8,800' North of 42° 55' | 9,300' North of 42° 55' |
| 6,100' East of 78° 15'   | 11,650' West of 78° 00'  | 9,550' West of 78° 00'  | 12,100' West of 78° 00' | 10,350' West of 78° 00' |
|                          | 8/26/26  | 8/16/24   |                         |                         |
| 905'                     | 930'   | 895'  | 920'                    | 945'                    |
|                          |  |   |                         |                         |
|                          | 215'-360'  | 165'-309'   |                         |                         |
|                          |  |   |                         |                         |
|                          | 780'-812'  | 720'-752'   |                         |                         |
| 770'-875'                | 965'-1,168'  | 908'-1,114'   | 965'-1,165'             | 978'-1,170'             |
| 1,150' -                 | 1,334'-1,430'  | 1,281'-1,372'   | 1,304' -                | 1,335' -                |
|                          |  |   |                         |                         |
|                          | 1,430' -   | 1,372' -  |                         |                         |
|                          |  |   |                         |                         |
|                          |  |   |                         |                         |
|                          |  |   |                         |                         |
| 1,309'                   | 1,446'   | 1,442'  | 1,448'                  | 1,498'                  |
| Queenston                | Queenston  | Queenston   | Queenston               | Queenston               |
| P. & A.                  | Clinton at 1,295'-1,309'. Smoke at 1,015'. Black water at 1,030'. Some gas in Medina. P. & A. ** | Clinton at 1,250'-1,260'. Smoke at 948'. Black water at 970' & 1,020'. I. O. F. 65 Mcf. at 1,302'. I. R. P. 375 Lbs. ** | P. & A.                 | Producer.               |

## NEW YORK

TABLE I (Cont.)

| COUNTY         |                          | GENESEE                 | GENESEE                  | GENESEE                    | GENESEE                  |
|----------------|--------------------------|-------------------------|--------------------------|----------------------------|--------------------------|
| QUADRANGLE     |                          | Batavia                 | Batavia                  | Batavia                    | Batavia                  |
| MAP NUMBER     |                          | 7                       | 8                        | 9                          | 10                       |
| NAME OF WELL   |                          | C. Kendall No. 1        | Leigh Salt Shaft         | Kelsey No. 1               | J. & J. Conway           |
| OPERATOR       |                          |                         | Leigh Salt Mine Co.      | Alden-Batavia Nat. Gas Co. |                          |
| TOWNSHIP       |                          | Stafford                | Leroy                    | Alexander                  | Alexander                |
| LATITUDE       |                          | 8,000' North of 42° 55' | 12,550' North of 42° 55' | 7,600' South of 42° 55'    | 13,900' North of 42° 50' |
| LONGITUDE      |                          | 10,950' West of 78° 00' | 3,550' West of 78° 00'   | 8,900' West of 78° 10'     | 9,050' West of 78° 15'   |
| DATE COMPLETED |                          |                         | 1892                     | 6/1906                     |                          |
| ELEVATION      |                          | 955'                    | 918'                     | 1,060' Topo.               | 1,240'                   |
| TULLY          |                          |                         |                          |                            |                          |
| ONONDAGA       |                          |                         | 150'-300'                |                            |                          |
| ORISKANY       |                          |                         |                          |                            |                          |
| SALT ZONE      |                          |                         | 700'-805'                |                            |                          |
| LOCKPORT       |                          | 978'-1,183'             |                          |                            | 1,515'-1,712'            |
| MEDINA         | RED MEDINA (GRIMSBY)     | 1,345' -                |                          | 1,630' -                   | 1,868' -                 |
|                | WHITE MEDINA (WHIRLPOOL) |                         |                          |                            |                          |
| QUEENSTON      |                          |                         |                          | 1,742' -                   |                          |
| OSWEGO         |                          |                         |                          |                            |                          |
| TRENTON        |                          |                         |                          |                            |                          |
| POTSDAM        |                          |                         |                          |                            |                          |
| PRECAMBRIAN    |                          |                         |                          |                            |                          |
| TOTAL DEPTH    |                          | 1,504'                  | 805'                     | 2,200'                     | 1,993'                   |
| DEEPEST FM.    |                          | Queenston               | Camillus                 | Queenston                  | Queenston                |
| REMARKS        |                          | P. & A.                 |                          | P. & A.                    | P. & A.                  |

| GENESEE                    | GENESEE                    | GENESEE   | GENESEE                    | GENESEE                     |
|----------------------------|----------------------------|---|----------------------------|-----------------------------|
| Batavia                    | Batavia                    | Batavia   | Batavia                    | Batavia                     |
| 11                         | 12                         | 13  | 14                         | 15                          |
| C. F. Page                 | F. Clapsaddle              | Beaver  | R. Peck                    | L. Pearson                  |
|                            |                            | Alden-Batavia<br>Nat. Gas Co.                       |                            |                             |
| Bethany                    | Bethany                    | Bethany   | Bethany                    | Bethany                     |
| 3,650' North<br>of 42° 55' | 9,700' North<br>of 42° 55' | 8,750' South<br>of 42° 55'                          | 4,500' South<br>of 42° 55' | 15,200' South<br>of 42° 55' |
| 3,300' East<br>of 78° 10'  | 7,950' West<br>of 78° 05'  | 3,600' West<br>of 78° 10'                           | 450' West<br>of 78° 05'    | 2,100' East<br>of 78° 05'   |
|                            |                            | 10/30/15  |                            |                             |
| 1,000'                     | 980'                       | 1,150'  | 1,150'                     | 1,050'                      |
|                            |                            |   |                            |                             |
|                            |                            | 545'-690'   |                            |                             |
|                            |                            |   |                            |                             |
|                            |                            | 1,107'-1,127'                                       |                            |                             |
| 983'-1,185'                | 907'-1,104'                | 1,285'-1,455'                                       | 1,234'-1,417'              | 1,228'-1,410'               |
| 1,337'—                    | 1,238'—                    | 1,636'-1,764'                                       | 1,603'—                    | 1,593'—                     |
|                            |                            |   |                            |                             |
|                            |                            |   |                            |                             |
|                            |                            |   |                            |                             |
|                            |                            |   |                            |                             |
|                            |                            |   |                            |                             |
|                            |                            |   |                            |                             |
| 1,460'                     | 1,373'                     | 1,772'  | 1,768'                     | 1,747'                      |
| Queenston                  | Queenston                  | Queenston   | Queenston                  | Queenston                   |
| P. & A.                    | P. & A.                    | Show of gas<br>and water in<br>Onondaga.<br>P. & A. | D. & A.                    | D. & A.                     |

| COUNTY         |                                | GENESEE  | GENESEE   | GENESEE   | GENESEE   |
|----------------|--------------------------------|--|---|---|---|
| QUADRANGLE     |                                | Batavia  | Batavia   | Batavia   | Batavia   |
| MAP NUMBER     |                                | 16   | 17  | 18  | 19  |
| NAME OF WELL   |                                | P. Christner<br>No. 1  | Berkemeier<br>No. 1   | Partridge<br>No. 2  | G. & J. Daresky<br>No. 1  |
| OPERATOR       |                                | Alden-Batavia<br>Nat. Gas Co.  | Alden-Batavia<br>Nat. Gas Co.   | Alden-Batavia<br>Nat. Gas Co.                               | Alden-Batavia<br>Nat. Gas Co.   |
| TOWNSHIP       |                                | Bethany  | Bethany   | Bethany   | Bethany   |
| LATITUDE       |                                | 7,800' South<br>of 42° 55'   | 11,500' South<br>of 42° 55'   | 10,900' South<br>of 42° 55'                                 | 11,500' South<br>of 42° 55'   |
| LONGITUDE      |                                | 1,400' East<br>of 78° 05'  | 5,400' West<br>of 78° 05'   | 1,500' West<br>of 78° 05'                                   | 1,800' East<br>of 78° 05'   |
| DATE COMPLETED |                                | 8/13/14  |   | 5/27/16   | 1/27/10   |
| ELEVATION      |                                | 1,080'   | 1,320' Topo.  | 1,300'  | 1,140' Topo.  |
| TULLY          |                                |  |   |   |   |
| ONONDAGA       |                                | 530'-680'  |   | 710'—   |   |
| ORISKANY       |                                |  |   |   |   |
| SALT ZONE      |                                | 1,110'-1,170'  |   | 1,290'-1,350'   |   |
| LOCKPORT       |                                | 1,325'-1,520'  |   | 1,495'-1,670'   |   |
| MEDINAN        | RED<br>MEDINA<br>(GRIMSBY)     | 1,679'-1,800'  | 1,925'—   | 1,883'-1,986'   | 1,772'—   |
|                | WHITE<br>MEDINA<br>(WHIRLPOOL) |  |   |   |   |
| QUEENSTON      |                                |  |   |   | 1,897'—   |
| OSWEGO         |                                |  |   |   |   |
| TRENTON        |                                |  |   |   |   |
| POTS DAM       |                                |  |   |   |   |
| PRECAMBRIAN    |                                |  |   |   |   |
| TOTAL DEPTH    |                                | 1,840'   | 2,079'  | 2,036'  | 1,918'  |
| DEEPEST FM.    |                                | Queenston  | Queenston   | Queenston   | Queenston   |
| REMARKS        |                                | Black water<br>at 1,425'.<br>Show gas at<br>1,757' and<br>1,790'.<br>Producer. | Gas at 2,005',<br>2,015' & 2,023'.<br>I. O. F. 125<br>Mcf. I. R. P.<br>225 Lbs. | Gas at 1,983'.<br>I. O. F. 110<br>Mcf. I. R. P.<br>420 Lbs. | Gas at 1,843'<br>and 1,877'.<br>I. O. F. 350<br>Mcf. Oil<br>shale at<br>1,897'. |



| GENESEE                       | GENESEE   | GENESEE   | GENESEE                    | GENESEE                    |
|-------------------------------|---|---|----------------------------|----------------------------|
| Batavia                       | Batavia   | Batavia   | Batavia                    | Batavia                    |
| 20                            | 21  | 22  | 23                         | 24                         |
| W. Buck                       | W. Buck<br>No. 2  | F. Pestle   | J. Hunt<br>No. 1           | C. Tillotson<br>No. 1      |
| Alden-Batavia<br>Nat. Gas Co. |   |   |                            |                            |
| Bethany                       | Bethany   | Pavilion  | Pavilion                   | Pavilion                   |
| 12,800' South<br>of 42° 55'   | 16,100' South<br>of 42° 55'                                 | 5,550' North<br>of 42° 55'  | 5,200' North<br>of 42° 55' | 6,500' North<br>of 42° 55' |
| 200' West<br>of 78° 05'       | 200' West<br>of 78° 05'                                     | 2,950' East<br>of 78° 05'   | 7,550' East<br>of 78° 05'  | 8,150' West<br>of 78° 00'  |
| 11/1/10                       | 8/1910  | 4/7/24  |                            |                            |
| 1,380' Topo.                  | 1,380' Topo.  | 965'  | 1,010'                     | 960'                       |
|                               |   |   |                            |                            |
|                               |   | 229'-384'   |                            |                            |
|                               |   |   |                            |                            |
|                               |   | 804'-834'   |                            |                            |
|                               |   | 984'-1,192'   | 1,046'-1,253'              | 985'-1,204'                |
| 1,910' —                      | 2,000' —  | 1,358'-1,460'   | 1,414' —                   | 1,356' —                   |
|                               |   |   |                            |                            |
| 2,021' —                      |   | 1,460' —  |                            |                            |
|                               |   |   |                            |                            |
|                               |   |   |                            |                            |
|                               |   |   |                            |                            |
|                               |   |   |                            |                            |
| 2,083'                        | 2,146'  | 1,526'  | 1,585'                     | 1,514'                     |
| Queenston                     | Queenston   | Queenston   | Queenston                  | Queenston                  |
| Gas at 1,993'<br>and 1,998'.  | Gas at 2,070'.<br>I. O. F. 240<br>Mcf. I. R. P.<br>520 Lbs. | Clinton at<br>1,324'-1,332'.<br>Smoke at 1,034'.<br>Black water<br>at 1,058'.<br>Gas at 1,447'<br>& 1,454'.<br>I. O. F. 75 Mcf. | D. & A.                    | D. & A.                    |

| COUNTY         |                          | GENESEE                 | GENESEE                 | GENESEE                         | GENESEE                          |
|----------------|--------------------------|-------------------------|-------------------------|---------------------------------|----------------------------------|
| QUADRANGLE     |                          | Batavia                 | Batavia                 | Batavia                         | Batavia                          |
| MAP NUMBER     |                          | 25                      | 26                      | 27                              | 28                               |
| NAME OF WELL   |                          | R. Bradley No. 1        | Salt Well               | Pearson                         | G. Mix No. 1                     |
| OPERATOR       |                          |                         |                         | Alden-Batavia Nat. Gas Co.      | Alden-Batavia Nat. Gas Co.       |
| TOWNSHIP       |                          | Pavilion                | Pavilion                | Pavilion                        | Pavilion                         |
| LATITUDE       |                          | 8,500' North of 42° 55' | 4,400' North of 42° 55' | 1,900' South of 42° 55'         | 400' South of 42° 55'            |
| LONGITUDE      |                          | 1,500' West of 78° 00'  | 6,500' West of 78° 00'  | 3,500' East of 78° 05'          | 11,100' West of 78° 00'          |
| DATE COMPLETED |                          |                         |                         | 9/14/08                         | 7/5/03                           |
| ELEVATION      |                          | 965'                    | 953'                    | 1,015' Topo.                    | 970'                             |
| TULLY          |                          |                         |                         |                                 |                                  |
| ONONDAGA       |                          |                         | 238'-384'               |                                 | 365'-510'                        |
| ORISKANY       |                          |                         |                         |                                 |                                  |
| SALT ZONE      |                          |                         | 838'-879'+              |                                 | 925'-991'                        |
| LOCKPORT       |                          | 990'-1,200'             |                         |                                 | 1,155'-1,340'                    |
| MEDINAN        | RED MEDINA (GRIMSBY)     | 1,353'—                 |                         | 1,540'—                         |                                  |
|                | WHITE MEDINA (WHIRLPOOL) |                         |                         |                                 |                                  |
| QUEENSTON      |                          |                         |                         | 1,680'—                         |                                  |
| OSWEGO         |                          |                         |                         |                                 |                                  |
| TRENTON        |                          |                         |                         |                                 |                                  |
| POTSDAM        |                          |                         |                         |                                 |                                  |
| PRECAMBRIAN    |                          |                         |                         |                                 |                                  |
| TOTAL DEPTH    |                          | 1,515'                  | 879'                    | 1,700'                          | 1,717'                           |
| DEEPEST FM.    |                          | Queenston               | Camillus                | Queenston                       | Queenston                        |
| REMARKS        |                          | D. & A.                 | D. & A.                 | Gas at 1,670'. I. O. F. 80 Mcf. | Gas at 1,607'. I. O. F. 175 Mcf. |

| GENESEE   | GENESEE  | GENESEE   | GENESEE                                | GENESEE   |
|---|--|---|--|---|
| Batavia   | Batavia  | Batavia   | Batavia                                | Batavia   |
| 29  | 30   | 31  | 32                                     | 33  |
| W. Smead No. 1  | W. Smead No. 2   | C. Rogers   | J. Phillips                            | R. Hutchinson   |
| Alden-Batavia<br>Nat. Gas Co.   | Alden-Batavia<br>Nat. Gas Co.  | Alden-Batavia<br>Nat. Gas Co.   | Alden-Batavia<br>Nat. Gas Co.          | Alden-Batavia<br>Nat. Gas Co.   |
| Pavilion  | Pavilion   | Pavilion  | Pavilion                               | Pavilion  |
| 4,100' South<br>of 42° 55'  | 6,200' South<br>of 42° 55'   | 6,000' South<br>of 42° 55'  | 7,650' South<br>of 42° 55'             | 8,300' South<br>of 42° 55'  |
| 4,300' East<br>of 78° 05'   | 3,450' East<br>of 78° 05'  | 7,600' East<br>of 78° 05'   | 5,900' East<br>of 78° 05'              | 12,500' West<br>of 78° 00'  |
| 6/23/08   | 3/25/13  | 5/3/08  | 11/1908                                |   |
| 1,075'  | 1,060'   | 1,210' Topo.  | 1,210' Topo.                           | 995' Topo.  |
|   |  |   |  |   |
|   | 465'–605'  |   |  |   |
|   |  |   |  |   |
|   | 1,045'–1,075'  |   |  |   |
|   | 1,240'–1,436'  |   |  |   |
| 1,580'—   | 1,605'–1,715'  | 1,671'—   | 1,740'—                                | 1,690'—   |
|   |  |   |  |   |
| 1,706'—   | 1,715'—  | 1,785'—   | 1,863'—                                | 1,810'—   |
|   |  |   |  |   |
|   |  |   |  |   |
|   |  |   |  |   |
|   |  |   |  |   |
| 1,739'  | 1,827'   | 1,860'  | 1,918½'                                | 1,890'  |
| Queenston   | Queenston  | Queenston   | Queenston                              | Queenston   |
| Gas at 1,657',<br>1,677' & 1,688'.<br>I. O. F. 100<br>Mcf. Oil<br>shale at<br>1,706'. | Gas at 1,708'–<br>1,715'. I. O. F.<br>200 Mcf.<br>I. R. P. 450<br>Lbs. | Gas at 1,749',<br>1,766' &<br>1,781'. I. O. F.<br>200 Mcf. Oil<br>shale 1,785'. | Gas at 1,847'.<br>I. O. F. 225<br>Mcf. | Gas at 1,777'<br>& 1,789'.<br>I. O. F. 400<br>Mcf. I. R. P.<br>540 Lbs. |

| COUNTY         |                                | GENESEE                    | GENESEE                     | GENESEE                                | GENESEE   |
|----------------|--------------------------------|----------------------------|-----------------------------|--|---|
| QUADRANGLE     |                                | Batavia                    | Batavia                     | Batavia                                | Batavia   |
| MAP NUMBER     |                                | 34                         | 35                          | 36                                     | 37  |
| NAME OF WELL   |                                | Fagen                      | Sheppard No. 4              | Wheeler No. 1                          | H. Cook   |
| OPERATOR       |                                |                            |                             | Alden-Batavia<br>Nat. Gas Co.          | Alden-Batavia<br>Nat. Gas Co.                     |
| TOWNSHIP       |                                | Pavilion                   | Pavilion                    | Pavilion                               | Pavilion  |
| LATITUDE       |                                | 7,400' South<br>of 42° 55' | 12,850' South<br>of 42° 55' | 11,600' South<br>of 42° 55'            | 9,500' South<br>of 42° 55'                        |
| LONGITUDE      |                                | 9,600' West<br>of 78° 00'  | 4,100' East<br>of 78° 05'   | 9,300' East<br>of 78° 05'              | 9,100' West<br>of 78° 00'                         |
| DATE COMPLETED |                                |                            | 1912                        | 8/16/13                                |   |
| ELEVATION      |                                | 940'                       | 1,237' Topo.                | 1,105'                                 | 965' Topo.  |
| TULLY          |                                |                            |                             |  |   |
| ONONDAGA       |                                |                            |                             | 555'-690'                              |   |
| ORISKANY       |                                |                            |                             |  |   |
| SALT ZONE      |                                |                            |                             | 1,132'-1,200'                          |   |
| LOCKPORT       |                                | 1,200' —                   |                             | 1,350'-1,550'                          |   |
| MEDINAN        | RED<br>MEDINA<br>(GRIMSBY)     | 1,474' —                   |                             | 1,718'-1,840'                          | 1,635' —  |
|                | WHITE<br>MEDINA<br>(WHIRLPOOL) |                            |                             |  |   |
| QUEENSTON      |                                |                            |                             |  | 1,765' —  |
| OSWEGO         |                                |                            |                             |  |   |
| TRENTON        |                                |                            |                             |  |   |
| POTSDAM        |                                |                            |                             |  |   |
| PRECAMBRIAN    |                                |                            |                             |  |   |
| TOTAL DEPTH    |                                | 1,588'                     | N. R.                       | 1,937'                                 | 1,826'  |
| DEEPEST FM.    |                                | Queenston                  | Queenston                   | Queenston                              | Queenston   |
| REMARKS        |                                | D. & A.                    | I. O. F. 480<br>Mcf.        | Gas at 1,818'.<br>I. O. F. 292<br>Mcf. | Gas at 1,715'<br>& 1,745'.<br>I. O. F. 50<br>Mcf. |



## NEW YORK

TABLE I (Cont.)

| GENESEE  | GENESEE                     | WYOMING   | WYOMING   | WYOMING                       |
|--|-----------------------------|---|---|-------------------------------|
| Batavia  | Batavia                     | Batavia   | Batavia   | Batavia                       |
| 38   | 39                          | 40  | 41  | 42                            |
| E. Sheppard<br>No. 3   | L. G. Phelps<br>No. 1       | R. Humphrey<br>No. 1  | E. Gore   | W. Cannan<br>No. 1            |
| Alden-Batavia<br>Nat. Gas Co.  |                             | Alden-Batavia<br>Nat. Gas Co.   |   | Alden-Batavia<br>Nat. Gas Co. |
| Pavilion   | Pavilion                    | Attica  | Attica  | Attica                        |
| 16,100' South<br>of 42° 55'  | 13,250' North<br>of 42° 50' | 9,200' North<br>of 42° 50'  | 12,100' North<br>of 42° 50'                                       | 12,300' North<br>of 42° 50'   |
| 5,250' East<br>of 78° 05'  | 1,200' West<br>of 78° 00'   | 3,200' East<br>of 78° 15'   | 9,000' East<br>of 78° 15'   | 10,650' East<br>of 78° 15'    |
| 11/09/1909   |                             | 9/1/14  | 6/18/14   | 1915                          |
| 1,180' Topo.   | 1,100'                      | 1,130'  | 1,340'  | 1,400'                        |
|  |                             |   |   |                               |
|  |                             | 665'–815'   | 840'–990'   | 875'—                         |
|  |                             |   |   |                               |
|  |                             |   |   |                               |
|  | 1,425'–1,600'               | 1,380'–1,575'   | 1,540'–1,720'   | 1,615'–1,822'                 |
| 1,756'–1,864'  | 1,808'—                     | 1,740'–1,828'   | 1,900'–1,993'   | 1,962'—                       |
|  |                             |   |   |                               |
|  |                             | 1,828'—   |   | 2,037'—                       |
|  |                             |   |   |                               |
|  |                             |   |   |                               |
|  |                             |   |   |                               |
|  |                             |   |   |                               |
| 1,896'   | 1,929'                      | 1,867'  | 2,078'  | 2,047'                        |
| Queenston  | Queenston                   | Queenston   | Queenston   | Queenston                     |
| Gas at 1,815',<br>1,827' &<br>1,854'. I. O. F.<br>1,000 Mcf.<br>I. R. P. 520<br>Lbs. |                             | Clinton at<br>1,705'—.<br>Black water<br>at 1,485'.<br>P. & A.<br>**p | Gas at 1,987'.<br>I. O. F. 70<br>Mcf. I. R. P.<br>510 Lbs.<br>**p |                               |

| COUNTY         |                                | WYOMING   | WYOMING                     | WYOMING   | WYOMING  |
|----------------|--------------------------------|---|-----------------------------|---|--|
| QUADRANGLE     |                                | Batavia   | Batavia                     | Batavia   | Batavia  |
| MAP NUMBER     |                                | 43  | 44                          | 45  | 46   |
| NAME OF WELL   |                                | J. Q. Adams<br>No. 1  | H. Flower                   | J. Lacy   | P. Mooney<br>No. 3   |
| OPERATOR       |                                |   |                             | Alden-Batavia<br>Nat. Gas Co.                   | Alden-Batavia<br>Nat. Gas Co.  |
| TOWNSHIP       |                                | Middlebury  | Middlebury                  | Middlebury                                      | Middlebury   |
| LATITUDE       |                                | 11,950' North<br>of 42° 50'   | 12,900' North<br>of 42° 50' | 12,900' North<br>of 42° 50'                     | 12,200' North<br>of 42° 50'  |
| LONGITUDE      |                                | 10,500' East<br>of 78° 10'  | 5,900' West<br>of 78° 05'   | 4,100' West<br>of 78° 05'                       | 400' West<br>of 78° 05'  |
| DATE COMPLETED |                                | 4/21/26   | 1912                        | 5/1912  | 11/5/16  |
| ELEVATION      |                                | 1,240' D. F.  | 1,295' Topo.                | 1,360'  | 1,370'   |
| TULLY          |                                |   |                             |   |  |
| ONONDAGA       |                                | 720'-865'   |                             |   | 876'-1,016'  |
| ORISKANY       |                                | N. R.   |                             |   |  |
| SALT ZONE      |                                | 1,288'-1,353'   |                             |   | 1,474'-1,534'  |
| LOCKPORT       |                                | 1,524'-1,729'   |                             |   | 1,692'-1,892'  |
| MEDINAN        | RED<br>MEDINA<br>(GRIMSBY)     | 1,903'-1,989'   |                             | 2,035' -  | 2,063'-2,161'  |
|                | WHITE<br>MEDINA<br>(WHIRLPOOL) |   |                             |   |  |
| QUEENSTON      |                                | 1,989' -  |                             |   |  |
| OSWEGO         |                                |   |                             |   |  |
| TRENTON        |                                |   |                             |   |  |
| POTSDAM        |                                |   |                             |   |  |
| PRECAMBRIAN    |                                |   |                             |   |  |
| TOTAL DEPTH    |                                | 2,006'  | N. R.                       | 2,127'  | 2,161'   |
| DEEPEST FM.    |                                | Queenston   | Queenston?                  | Queenston                                       | Red Medina   |
| REMARKS        |                                | Clinton 1869'-<br>1,879'. Smoke<br>at 1,594'.<br>Black water<br>at 1,604'.<br>I. O. F. 40 Mcf.<br>P. & A. | D. & A.                     | Gas at 2,105' &<br>2,122'. I. O. F.<br>500 Mcf. | Gas at 2,155'-<br>2,161'. I. O. F.<br>400 Mcf.<br>I. R. P. 300<br>Lbs. |

| WYOMING                               | WYOMING                       | WYOMING  | WYOMING   | WYOMING                         |
|---------------------------------------|-------------------------------|--|---|---------------------------------|
| Batavia                               | Batavia                       | Batavia  | Batavia   | Batavia                         |
| 47                                    | 48                            | 49   | 50  | 51                              |
| E. S. Ewell<br>No. 1                  | H. Cox                        | M. Chase<br>No. 1  | Webster   | Pioneer Well<br>No. 1           |
| Alden-Batavia<br>Nat. Gas Co.         | Alden-Batavia<br>Nat. Gas Co. | Republic   | Alden-Batavia<br>Nat. Gas Co.   | Vacuum Oil Co.                  |
| Middlebury                            | Middlebury                    | Middlebury   | Middlebury  | Middlebury                      |
| 9,000' North<br>of 42° 50'            | 10,200' North<br>of 42° 50'   | 2,200' North<br>of 42° 50'   | 6,200' North<br>of 42° 50'  | 4,100' South<br>of 42° 50' Est. |
| 8,100' West<br>of 78° 05'             | 2,300' West<br>of 78° 05'     | 300' West<br>of 78° 10'  | 6,100' West<br>of 78° 05'   | 3,300' West<br>of 78° 05' Est.  |
| 7/19/15                               | 9/15/11                       | 8/1/24   | 12/1911   | 1872                            |
| 1,300'                                | 1,285' Topo.                  | 1,180'   | 1,270' Topo.  | 992'                            |
|                                       |                               |  |   |                                 |
| 630'-840'                             |                               | 819'-969'  |   | 673'—                           |
|                                       |                               | No record  |   |                                 |
| 1,292'-1,352'                         |                               | 1,419'-1,500'  |   | 1,270'-1,340'                   |
| 1,517'-1,710'                         |                               | 1,620'-1,828'  |   |                                 |
| 1,904'-1,990'                         | 1,972'—                       | 2,000'-2,091'  | 2,035'-2,127'   |                                 |
|                                       |                               |  |   |                                 |
|                                       |                               | 2,091'—  | 2,127'—   |                                 |
|                                       |                               |  |   |                                 |
|                                       |                               |  |   |                                 |
|                                       |                               |  |   |                                 |
|                                       |                               |  |   |                                 |
| 2,044'                                | 2,078'                        | 2,121'   | 2,149'  | 1,530'                          |
| Queenston                             | Queenston                     | Queenston  | Queenston   | Lockport?                       |
| Some gas in<br>Red Medina.<br>P. & A. | Gas at 2,060'.                | Clinton at<br>1,949'-1,957'.<br>Smoke at<br>1,680'. Black<br>water at 1,704'.<br>P. & A.<br>** | Gas at<br>2,089' & 2,113'.<br>I. O. F. 120<br>Mcf. I. R. P.<br>525 Lbs. | D. & A.                         |

| COUNTY         |                          | WYOMING                 | WYOMING  | WYOMING                  | WYOMING                        |
|----------------|--------------------------|-------------------------|--|--------------------------|--------------------------------|
| QUADRANGLE     |                          | Batavia                 | Batavia  | Batavia                  | Batavia                        |
| MAP NUMBER     |                          | 52                      | 53   | 54                       | 55                             |
| NAME OF WELL   |                          | H. Howes                | W. Hawley No. 1  | Salt Vale No. 1          | C. Jeffries No. 1              |
| OPERATOR       |                          |                         | Republic   | Crystal Salt Co.         | Alden-Batavia Nat. Gas Co.     |
| TOWNSHIP       |                          | Middlebury              | Middlebury   | Middlebury               | Covington                      |
| LATITUDE       |                          | 6,500' South of 42° 50' | 7,300' South of 42° 50'  | 13,400' North of 42° 45' | 9,150' North of 42° 50'        |
| LONGITUDE      |                          | 6,100' West of 78° 05'  | 1,650' West of 78° 05'   | 6,900' West of 78° 05'   | 9,550' West of 78° 00'         |
| DATE COMPLETED |                          |                         | 11/12/24   | 1882                     | 7/19/15                        |
| ELEVATION      |                          | 1,240'                  | 955'   | 983'                     | 943'                           |
| TULLY          |                          |                         |  |                          |                                |
| ONONDAGA       |                          |                         | 634'-769'  | 770'-916'                | 495'-635'                      |
| ORISKANY       |                          |                         | N. R.  | N. R.                    | N. R.                          |
| SALT ZONE      |                          |                         | 1,232'-1,295'  | 1,375'-1,436'+           | 1,070'-1,140'                  |
| LOCKPORT       |                          | 1,717'-1,924'           | 1,437'-1,668'  |                          | 1,330'-1,517'                  |
| MEDINAN        | RED MEDINA (GRIMSBY)     | 2,087' -                | 1,835'-1,905'  |                          | 1,700'-1,773'                  |
|                | WHITE MEDINA (WHIRLPOOL) |                         |  |                          |                                |
| QUEENSTON      |                          |                         | 1,905' -   |                          |                                |
| OSWEGO         |                          |                         |  |                          |                                |
| TRENTON        |                          |                         |  |                          |                                |
| POTSDAM        |                          |                         |  |                          |                                |
| PRECAMBRIAN    |                          |                         |  |                          |                                |
| TOTAL DEPTH    |                          | 2,184'                  | 1,957'   | 1,436'                   | 1,802'                         |
| DEEPEST FM.    |                          | Queenston               | Queenston  | Camillus                 | Queenston                      |
| REMARKS        |                          | D. & A.                 | Clinton at 1,740'-1,760'. Smoke at 1,532'. Black water at 1,536'. I. O. F. 8 Mcf. at 1,900'. P. & A. | Salt well.               | Black water at 1,435'. P. & A. |



| WYOMING   | WYOMING                             | WYOMING                       | WYOMING                    | WYOMING                    |
|---|-------------------------------------|-------------------------------|----------------------------|----------------------------|
| Batavia   | Batavia                             | Batavia                       | Batavia                    | Batavia                    |
| 56  | 57                                  | 58                            | 59                         | 60                         |
| R. Hutchinson<br>No. 1                          | R. Hutchinson<br>No. 2              | J. Broughton<br>No. 1         | Moulton Well               | C. Taylor                  |
| Alden-Batavia<br>Nat. Gas Co.                   | Alden-Batavia<br>Nat. Gas Co.       | Alden-Batavia<br>Nat. Gas Co. |                            |                            |
| Covington                                       | Covington                           | Covington                     | Covington                  | Covington                  |
| 9,600' North<br>of 42° 50'                      | 9,200' North<br>of 42° 50'          | 10,300' North<br>of 42° 50'   | 1,700' North<br>of 42° 50' | 1,900' North<br>of 42° 50' |
| 7,000' West<br>of 78° 00'                       | 5,600' West<br>of 78° 00'           | 2,450' West<br>of 78° 00'     | 6,600' East<br>of 78° 05'  | 4,200' West<br>of 78° 00'  |
| 8/9/07  |                                     | 9/27/15                       | Before 1893                |                            |
| 990' Topo.                                      | 980' Topo.                          | 1,120'                        | 946'                       | 990'                       |
|   |                                     |                               |                            |                            |
|   |                                     | 629'-838'                     | 555'-707'                  |                            |
|   |                                     | N. R.                         | N. R.                      |                            |
|   |                                     | 1,290'-1,315'                 | 1,124'-1,236'+             |                            |
|   |                                     | 1,515'-1,705'                 |                            | 1,439'-1,638'              |
| 1,712' -  | 1,730' -                            | 1,902'-1,982'                 |                            | 1,865' -                   |
|   |                                     |                               |                            |                            |
|   |                                     |                               |                            |                            |
| 1,826' -  |                                     |                               |                            |                            |
|   |                                     |                               |                            |                            |
|   |                                     |                               |                            |                            |
|   |                                     |                               |                            |                            |
|   |                                     |                               |                            |                            |
| 1,866'  | 1,870'                              | 2,017'                        | 1,241'                     | 1,970'                     |
| Queenston                                       | Queenston                           | Queenston                     | Camillus                   | Queenston                  |
| Gas at 1,775'<br>& 1,784'.<br>I. O. F. 450 Mcf. | Gas at 1,809'.<br>I. O. F. 120 Mcf. | P. & A.                       | Salt well.                 | D. & A.                    |

| COUNTY         |                                | WYOMING                    | GENESEE                            | ERIE  | GENESEE                         |
|----------------|--------------------------------|----------------------------|------------------------------------|---|---------------------------------|
| QUADRANGLE     |                                | Batavia                    | Batavia                            | Attica  | Attica                          |
| MAP NUMBER     |                                | 61                         | 62                                 | 1   | 2                               |
| NAME OF WELL   |                                | Salt Well                  | J. C. Newton<br>No. 1              | L. Klawer   | A. Falker                       |
| OPERATOR       |                                | Miller Salt<br>Co.         | Alden-Batavia<br>Nat. Gas Co.      | Alden-Batavia<br>Nat. Gas Co.   |                                 |
| TOWNSHIP       |                                | Warsaw                     | Alexander                          | Newstead  | Pembroke                        |
| LATITUDE       |                                | 4,250' North<br>of 42° 45' | 10,100' South<br>of 42° 55' Est.   | 7,800' South<br>of 43° 00'  | 6,300' South<br>of 43° 00' Est. |
| LONGITUDE      |                                | 11,100' West<br>of 78° 05' | 650' East<br>of 78° 15' Est.       | 6,000' East<br>of 78° 30'   | 11,050' West<br>of 78° 25' Est. |
| DATE COMPLETED |                                | About 1885                 | 10/1915                            | 1904  |                                 |
| ELEVATION      |                                | 1,099'                     | 935' Topo.                         | 825' Topo.  | 830'                            |
| TULLY          |                                |                            |                                    |   |                                 |
| ONONDAGA       |                                | 935'-1,082'                | 436'-584'                          |   |                                 |
| ORISKANY       |                                |                            |                                    |   |                                 |
| SALT ZONE      |                                | 1,494'-1,609'+             |                                    |   |                                 |
| LOCKPORT       |                                |                            | 1,150'-1,350'                      | 640' —  | 600'-792'                       |
| MEDINAN        | RED<br>MEDINA<br>(GRIMSBY)     |                            | 1,490'-1,580'                      | 935' —  | 914' —                          |
|                | WHITE<br>MEDINA<br>(WHIRLPOOL) |                            |                                    |   |                                 |
| QUEENSTON      |                                |                            | 1,580' —                           | 1,025' —  |                                 |
| OSWEGO         |                                |                            |                                    |   |                                 |
| TRENTON        |                                |                            |                                    |   |                                 |
| POTSDAM        |                                |                            |                                    |   |                                 |
| PRECAMBRIAN    |                                |                            |                                    |   |                                 |
| TOTAL DEPTH    |                                | 1,609'                     | 1,595'                             | 1,128'  | 1,037'                          |
| DEEPEST FM.    |                                | Camillus                   | Queenston                          | Queenston   | Queenston                       |
| REMARKS        |                                | Salt well.                 | Clinton at<br>1,455' —.<br>D. & A. | Clinton at<br>910' —.<br>Black water<br>at 760'. Gas<br>at 985' &<br>1,015'. I. O. F.<br>120 Mcf.<br>I. R. P. 500<br>Lbs. | D. & A.                         |

| GENESEE  | GENESEE                         | GENESEE   | GENESEE   | GENESEE   |
|--|---------------------------------|---|---|---|
| Attica   | Attica                          | Attica  | Attica  | Attica  |
| 3  | 4                               | 5   | 6   | 7   |
| Flint Nat.<br>Gas Co.  | G. F. Brady                     | F. Birge  | J. Miklinski  | P. Schafer  |
| Flint Nat.<br>Gas Co.  |                                 |   |   |   |
| Pembroke   | Pembroke                        | Pembroke  | Pembroke  | Pembroke  |
| 5,750' South<br>of 43° 00'   | 3,600' South<br>of 43° 00' Est. | 8,650' South<br>of 43° 00'                                  | 9,350' South<br>of 43° 00'  | 8,900' South<br>of 43° 00' Est.                                   |
| 5,750' West<br>of 78° 25'  | 250' East<br>of 78° 25' Est.    | 11,400' West<br>of 78° 25'                                  | 8,500' West<br>of 78° 25'   | 2,600' West<br>of 78° 25' Est.                                    |
| 1904   |                                 | 2/1905  | 1/4/51  | 1920  |
| 840' Topo.   | 885'                            | 835' Topo.  | 845' Topo.  | 860' Topo.  |
|  |                                 |   |   |   |
| 32' —  |                                 |   | 41'—165'  | 25'—165'  |
|  |                                 |   |   |   |
|  |                                 |   |   |   |
| 630' —   | 640'—826'                       |   | 640'—862'   | 646'—841'   |
| 953' —   | 962' —                          | 945' —  | 972'—1,049'   | 964'—1,014'   |
|  |                                 |   | 1,049'—1,087'   | 1,014'—1,074'   |
| 1,053' —   |                                 | 1,049' —  |   | 1,074' —  |
|  |                                 |   |   |   |
|  |                                 |   |   |   |
|  |                                 |   |   |   |
|  |                                 |   |   |   |
| 1,092'   | 1,085'                          | 1,125'  | 1,120'  | 1,107'  |
| Queenston  | Queenston                       | Queenston   | Queenston   | Queenston   |
| Gas at 998',<br>1,042' &<br>1,050'. I. O. F.<br>150 Mcf.<br>I. R. P. 540<br>Lbs. | D. & A.                         | Gas at 1,047'.<br>I. O. F. 120<br>Mcf. I. R. P.<br>520 Lbs. | Clinton at<br>937'—962'.<br>Gas at 1,054',<br>1,075' & 1,087'.<br>I. O. F. 90<br>Mcf. | Clinton at<br>935'—954'.<br>I. O. F. 10<br>Mcf.<br>P. & A.<br>**p |

| COUNTY         |                                | GENESEE   | GENESEE   | GENESEE  | GENESEE                          |
|----------------|--------------------------------|---|---|--|----------------------------------|
| QUADRANGLE     |                                | Attica  | Attica  | Attica   | Attica                           |
| MAP NUMBER     |                                | 8   | 9   | 10   | 11                               |
| NAME OF WELL   |                                | H. Weiler   | E. Daehm  | H. Nautrieb  | Corfu Well                       |
| OPERATOR       |                                |   |   |  | J. W. Stearns                    |
| TOWNSHIP       |                                | Pembroke  | Pembroke  | Pembroke   | Pembroke                         |
| LATITUDE       |                                | 10,600' South<br>of 43° 00' Est.                            | 12,700' South<br>of 43° 00'   | 12,100' South<br>of 43° 00'  | 13,400' South<br>of 43° 00' Est. |
| LONGITUDE      |                                | 7,550' East<br>of 78° 25' Est.                              | 9,400' West<br>of 78° 25'   | 8,000' West<br>of 78° 25'  | 2,900' East<br>of 78° 25' Est.   |
| DATE COMPLETED |                                | 1926  | 5/15/51   | 2/19/51  | Before 1895                      |
| ELEVATION      |                                | 875' Topo.  | 850' Topo.  | 850' Topo.   | 850' Topo.                       |
| TULLY          |                                |   |   |  |                                  |
| ONONDAGA       |                                | 5'-150'   | 60'-190'  | 50'-180'   |                                  |
| ORISKANY       |                                |   |   |  |                                  |
| SALT ZONE      |                                |   |   |  |                                  |
| LOCKPORT       |                                | 650'-865'   | 660'-865'   | 653'-868'  | 668'-918'                        |
| MEDINAN        | RED<br>MEDINA<br>(GRIMSBY)     | 982'-1,047'   | 998'-1,081'   | 997' -   | 1,018' -                         |
|                | WHITE<br>MEDINA<br>(WHIRLPOOL) | 1,047'-1,091'   | 1,081'-1,121'   | -1,120'  |                                  |
| QUEENSTON      |                                | 1,091' -  | 1,121' -  | 1,120' -   |                                  |
| OSWEGO         |                                |   |   |  |                                  |
| TRENTON        |                                |   |   |  |                                  |
| POTSDAM        |                                |   |   |  |                                  |
| PRECAMBRIAN    |                                |   |   |  |                                  |
| TOTAL DEPTH    |                                | 1,116'  | 1,168'  | 1,162.5'   | 1,148'                           |
| DEEPEST FM.    |                                | Queenston   | Queenston   | Queenston  | Queenston                        |
| REMARKS        |                                | Clinton at<br>951'-970'.<br>Show at 702'.<br>P. & A.<br>**P | Clinton at<br>967'-987'.<br>Gas at 1,052',<br>1,071' & 1,095'.<br>I. O. F. 70<br>Mcf. | Clinton at<br>965'-982'.<br>Gas at 1,059',<br>1,079', 1,091'<br>& 1,111'.<br>I. O. F. 150<br>Mcf. I. R. P.<br>320 Lbs. | D. & A.                          |



TABLE I (Cont.)

| GENESEE                     | GENESEE   | GENESEE  | GENESEE  | ERIE  |
|-----------------------------|---|--|--|---|
| Attica                      | Attica  | Attica   | Attica   | Attica  |
| 12                          | 13  | 14   | 15   | 16  |
| Kennedy                     | S. Wojciachowski  | R. Rowland   | C. C. Grover   | E. Laughlin   |
|                             |   |  | Geagon & Good  | Alden-Batavia<br>Nat. Gas Co.   |
| Pembroke                    | Pembroke  | Pembroke   | Batavia  | Alden   |
| 14,500' South<br>of 43° 00' | 14,800' South<br>of 43° 00'   | 14,250' North<br>of 42° 55'  | 4,500' South<br>of 43° 00'   | 12,100' North<br>of 42° 55'   |
| 12,500' West<br>of 78° 20'  | 8,050' West<br>of 78° 25'   | 2,900' East<br>of 78° 25'  | 3,100' West<br>of 78° 25'  | 4,500' East<br>of 78° 30'   |
|                             | 5/17/51   | 1893   |  | 7/1904  |
| 855' Topo.                  | 850' Topo.  | 865' Topo.   | 880' Topo.   | 840' Topo.  |
|                             |   |  |  |   |
|                             | 54'-229'  |  | 101'—  | 75'—  |
|                             |   |  |  |   |
|                             |   |  |  |   |
|                             | 650'-896'   |  | 732'-909'  | 700'—   |
|                             | 1,041'-1,107'   |  | 1,066'—  | 1,035'—   |
| 1,020'—                     | 1,107'-1,144.5'   |  |  |   |
|                             | 1,144.5'—   |  |  | 1,159'—   |
|                             |   |  |  |   |
|                             |   |  |  |   |
|                             |   |  |  |   |
|                             |   |  |  |   |
| N. R.                       | 1,186'  | N. R.  | 1,202'   | 1,192'  |
| Queenston?                  | Queenston   | Queenston  | Queenston  | Queenston   |
| Gas at 1,075' &<br>1,119'.  | Clinton at<br>1,005'-1,023'.<br>Gas at 1,110',<br>1,116' &<br>1,138'. I. O. F.<br>80 Mcf. | I. O. F. 30 Mcf.<br>I. R. P. 600<br>Lbs. Cleaned<br>out and<br>retubed on<br>8/9/38. | Black water<br>at 735'.<br>Salt water at<br>856' & 1,111'.<br>P. & A.<br>(*) | Gas at 1,115',<br>1,151' & 1,158'.<br>I. O. F. 150<br>Mcf. I. R. P.<br>540 Lbs.<br>Cleaned out<br>and retubed<br>in 1938. |

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TABLE I (Cont.)

| COUNTY         |                          | ERIE                              | ERIE  | ERIE                           | ERIE                               |
|----------------|--------------------------|-----------------------------------|---|--------------------------------|------------------------------------|
| QUADRANGLE     |                          | Attica                            | Attica  | Attica                         | Attica                             |
| MAP NUMBER     |                          | 17                                | 18  | 19                             | 20                                 |
| NAME OF WELL   |                          | Waldo                             | Company Lot   | H. Hutchinson                  | J. E. Ewell                        |
| OPERATOR       |                          | Akron Nat. Gas Co.                |   | Alden-Batavia Nat. Gas Co.     |                                    |
| TOWNSHIP       |                          | Alden                             | Alden   | Alden                          | Alden                              |
| LATITUDE       |                          | 10,350' North of 42° 55'          | 3,400' South of 42° 55'   | 3,500' South of 42° 55'        | 5,250' South of 42° 55'            |
| LONGITUDE      |                          | 2,450' East of 78° 30'            | 2,350' East of 78° 30'  | 8,000' East of 78° 30'         | 1,750' East of 78° 30'             |
| DATE COMPLETED |                          | 10/1911                           | 1892  |                                | 1901                               |
| ELEVATION      |                          | 835' Topo.                        | 830' Topo.  | 880' Topo.                     | 860' Topo.                         |
| TULLY          |                          |                                   |   |                                |                                    |
| ONONDAGA       |                          |                                   |   |                                |                                    |
| ORISKANY       |                          |                                   |   |                                |                                    |
| SALT ZONE      |                          |                                   |   |                                |                                    |
| LOCKPORT       |                          |                                   |   |                                |                                    |
| MEDINAN        | RED MEDINA (GRIMSBY)     | 1,039'—                           | 1,152'—   | 1,175'—                        |                                    |
|                | WHITE MEDINA (WHIRLPOOL) |                                   |   | —1,288'                        |                                    |
| QUEENSTON      |                          | 1,245'—                           |   |                                |                                    |
| OSWEGO         |                          |                                   |   |                                |                                    |
| TRENTON        |                          |                                   |   |                                |                                    |
| POTSDAM        |                          |                                   |   |                                |                                    |
| PRECAMBRIAN    |                          |                                   |   |                                | 1,399'                             |
| TOTAL DEPTH    |                          | 1,245'                            | 1,333'  | N. R.                          | N. R.                              |
| DEEPEST FM.    |                          | Queenston                         | Queenston   | Queenston                      | Queenston?                         |
| REMARKS        |                          | Gas at 1,121'.<br>I. O. F. 8 Mcf. | Gas at 1,220',<br>1,245' & 1,262'.<br>I. O. F. 60 Mcf.<br>I. R. P. 600 Lbs. | Show gas at 1,274'.<br>P. & A. | I. O. F. 95 Mcf. I. R. P. 585 Lbs. |

| ERIE   | ERIE  | ERIE  | GENESEE   | GENESEE  |
|--|---|---|---|--|
| Attica   | Attica  | Attica  | Attica  | Attica   |
| 21   | 22  | 23  | 24  | 25   |
| Young No. 1  | Bennett No. 1   | N. Malay No. 1  | Styles  | Bennett  |
| Reserve Gas Co.  | Reserve Gas Co.   | Reserve Gas Co.   | Alden-Batavia Nat. Gas Co.                        | Alden-Batavia Nat. Gas Co.                                 |
| Alden  | Alden   | Alden   | Darien  | Darien   |
| 5,850' South of 42° 55'  | 7,450' South of 42° 55'   | 11,000' South of 42° 55'  | 11,350' North of 42° 55'                          | 11,100' North of 42° 55'                                   |
| 5,850' East of 78° 30'   | 1,800' East of 78° 30'  | 5,900' East of 78° 30'  | 8,100' West of 78° 25'                            | 5,900' West of 78° 25'                                     |
| 12/17/47   | 1938  | 11/15/54  | 1908  | 6/1900   |
| 850' Topo.   | 860' Topo.  | 885' Topo.  | 885' Topo.  | 890' Topo.   |
|  |   |   |   |  |
| 265'-418'  | 282'-440'   | 328'-484'   |   |  |
|  |   |   |   |  |
|  |   |   |   |  |
| 888'-1,090'  | 920'-1,104'   | 959'-1,168'   |   |  |
| 1,209' —   | 1,226'-1,307'   | 1,287' —  | 1,090' —  | 1,088' —   |
| 1,283'-1,323'  | 1,312'-1,341'   | —1,396'   | —1,203'   |  |
| 1,323' —   | 1,341' —  | 1,396' —  | 1,203' —  |  |
|  |   |   |   |  |
|  |   |   |   |  |
|  |   |   |   |  |
|  |   |   |   |  |
| 1,337'   | 1,343'  | 1,409'  | 1,227'  | 1,239'   |
| Queenston  | Queenston   | Queenston   | Queenston   | Queenston  |
| Clinton at 1,184'-1,203'. Smoke at 975'. Black water at 985'. Gas at 1,267', 1,283' & 1,319'. I. O. F. 89 Mcf. | Clinton at 1,196'-1,219'. Smoke at 995'. Black water at 1,000'. Gas at 1,328'-1,333'. I. O. F. 29 Mcf. 75 Mcf. a/s. I. R. P. 365 Lbs. | Clinton at 1,258'-1,279'. I. O. F. 4,800 cf. I. R. P. 300 Lbs. P. & A. ** | Gas at 1,154'. I. O. F. 50 Mcf. I. R. P. 500 Lbs. | Gas at 1,159' & 1,192'. I. O. F. 70 Mcf. I. R. P. 540 Lbs. |

| COUNTY         |                                | GENESEE  | GENESEE  | GENESEE  | GENESEE                       |
|----------------|--------------------------------|--|--|--|-------------------------------|
| QUADRANGLE     |                                | Attica   | Attica   | Attica   | Attica                        |
| MAP NUMBER     |                                | 26   | 27   | 28   | 29                            |
| NAME OF WELL   |                                | L. Kinsella<br>No. 1   | Allan  | W. Edzold                                      | E. Hill                       |
| OPERATOR       |                                | Alden-Batavia<br>Nat. Gas Co.  | Alden-Batavia<br>Nat. Gas Co.                  |  | Alden-Batavia<br>Nat. Gas Co. |
| TOWNSHIP       |                                | Darien   | Darien   | Darien   | Darien                        |
| LATITUDE       |                                | 12,900' North<br>of 42° 55'  | 8,700' North<br>of 42° 55'                     | 11,000' North<br>of 42° 55'                    | 10,500' North<br>of 42° 55'   |
| LONGITUDE      |                                | 1,500' East<br>of 78° 25'  | 6,200' West<br>of 78° 25'                      | 500' West<br>of 78° 25'                        | 2,800' East<br>of 78° 25'     |
| DATE COMPLETED |                                | 6/6/18   | 5/1908   |  | 9/19/08                       |
| ELEVATION      |                                | 850'   | 875' Topo.                                     | 860' Topo.                                     | 900' Topo.                    |
| TULLY          |                                |  |  |  |                               |
| ONONDAGA       |                                | 80'-235'   |  | 106'-238'                                      |                               |
| ORISKANY       |                                |  |  |  |                               |
| SALT ZONE      |                                |  |  |  |                               |
| LOCKPORT       |                                |  |  | 786'-978'                                      |                               |
| MEDINAN        | RED<br>MEDINA<br>(GRIMSBY)     | 1,043'—  | 1,120'—  | 1,075'—  |                               |
|                | WHITE<br>MEDINA<br>(WHIRLPOOL) | —1,161'  |  | —1,196'  |                               |
| QUEENSTON      |                                |  | 1,230'—  | 1,196'—  |                               |
| OSWEGO         |                                |  |  |  |                               |
| TRENTON        |                                |  |  |  |                               |
| POTSDAM        |                                |  |  |  |                               |
| PRECAMBRIAN    |                                |  |  |  |                               |
| TOTAL DEPTH    |                                | 1,217'   | 1,266'   | 1,196'   | 1,243'                        |
| DEEPEST FM.    |                                | Queenston  | Queenston                                      | Queenston                                      | Queenston?                    |
| REMARKS        |                                | Clinton at<br>1,015'-1,025'.<br>I. O. F. 22<br>Mcf. I. R. P.<br>450 Lbs. | Gas at 1,212'<br>& 1,224'.<br>I. O. F. 40 Mcf. | Clinton at<br>1,044'-1,075'.<br>P. & A.<br>**p | Producer.                     |



| GENESEE  | GENESEE  | GENESEE  | GENESEE  | GENESEE  |
|--|--|--|--|--|
| Attica   | Attica   | Attica   | Attica   | Attica   |
| 30   | 31   | 32   | 33   | 34   |
| S. J. Beachy   | R. F. & B. B. Miller   | A. & P. Hale   | Bordwell   | G. Whitman                                     |
| Alden-Batavia Nat. Gas Co.                                 | Akron Nat. Gas Co.   | Akron Nat. Gas Co.   | Alden-Batavia Nat. Gas Co.   | Alden-Batavia Nat. Gas Co.                     |
| Darien   | Darien   | Darien   | Darien   | Darien   |
| 6,900' North of 42° 55'                                    | 7,900' North of 42° 55'  | 7,600' North of 42° 55'  | 6,300' North of 42° 55'  | 4,450' North of 42° 55'                        |
| 3,000' West of 78° 25'                                     | 650' East of 78° 25'   | 4,850' East of 78° 25'   | 6,100' West of 78° 25'   | 7,900' West of 78° 25'                         |
| 8/31/08  | 1907   | 1907   | 6/25/08  | 7/25/08  |
| 865' Topo.   | 875' Topo.   | 900' Topo.   | 850' Topo.   | 835' Topo.                                     |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
| 1,118' —   | 1,109' —   | 1,123' —   | 1,121' —   | 1,118' —                                       |
|  |  |  |  |  |
|  |  |  |  |  |
| 1,220' —   | 1,219' —   | 1,236' —   | 1,229' —   | 1,224' —                                       |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
| 1,244'   | N. R.  | 1,267'   | 1,293'   | 1,279'   |
| Queenston  | Queenston?   | Queenston  | Queenston  | Queenston                                      |
| Gas at 1,186'.<br>I. O. F. 60 Mcf.<br>I. R. P. 540<br>Lbs. | Gas at 1,182'<br>& 1,212'.<br>I. O. F. 80<br>Mcf. I. R. P.<br>540 Lbs. | Gas at 1,221'<br>& 1,229'.<br>I. O. F. 70<br>Mcf. I. R. P.<br>560 Lbs. | Gas at 1,205' &<br>1,224'. I. O. F.<br>75 Mcf.<br>I. R. P. 520<br>Lbs. | Gas at 1,214'<br>& 1,224'.<br>I. O. F. 50 Mcf. |

| COUNTY         |                                | GENESEE                       | GENESEE   | GENESEE                         | GENESEE                          |
|----------------|--------------------------------|-------------------------------|---|---------------------------------|----------------------------------|
| QUADRANGLE     |                                | Attica                        | Attica  | Attica                          | Attica                           |
| MAP NUMBER     |                                | 35                            | 36  | 37                              | 38                               |
| NAME OF WELL   |                                | Weber                         | E. Jones  | C. N. DeMuth                    | D. C. Young                      |
| OPERATOR       |                                | Alden-Batavia<br>Nat. Gas Co. | Alden-Batavia<br>Nat. Gas Co.                               |                                 |                                  |
| TOWNSHIP       |                                | Darien                        | Darien  | Darien                          | Darien                           |
| LATITUDE       |                                | 3,050' North<br>of 42° 55'    |   | 8,700' South<br>of 42° 55' Est. | 12,450' South<br>of 42° 55' Est. |
| LONGITUDE      |                                | 7,500' East<br>of 78° 25'     |   | 3,600' West<br>of 78° 20' Est.  | 300' East<br>of 78° 20' Est.     |
| DATE COMPLETED |                                |                               | 10/6/16   |                                 |                                  |
| ELEVATION      |                                | 895' Topo.                    | 920' Topo.  | 1,020'                          | 1,030'                           |
| TULLY          |                                |                               |   |                                 |                                  |
| ONONDAGA       |                                |                               | 315'-440'   |                                 |                                  |
| ORISKANY       |                                |                               |   |                                 |                                  |
| SALT ZONE      |                                |                               |   |                                 |                                  |
| LOCKPORT       |                                |                               | 930'-1,200'   | 1,145'-1,358'                   | 1,250'-1,450'                    |
| MEDINAN        | RED<br>MEDINA<br>(GRIMSBY)     | 1,154' -                      | 1,264' -  |                                 | 1,575' -                         |
|                | WHITE<br>MEDINA<br>(WHIRLPOOL) |                               |   |                                 |                                  |
| QUEENSTON      |                                | 1,290' -                      | 1,374' -  |                                 |                                  |
| OSWEGO         |                                |                               |   |                                 |                                  |
| TRENTON        |                                |                               |   |                                 |                                  |
| POTSDAM        |                                |                               |   |                                 |                                  |
| PRECAMBRIAN    |                                |                               |   |                                 |                                  |
| TOTAL DEPTH    |                                | 1,320'                        | 1,379'  | 1,595'                          | 1,726'                           |
| DEEPEST FM.    |                                | Queenston                     | Queenston   | Queenston                       | Queenston                        |
| REMARKS        |                                | Gas at 1,289'.<br>P. & A.     | Clinton at<br>1,200'-1,264'.<br>I. O. F. 10 Mcf.<br>P. & A. | D. & A.                         | D. & A.                          |

| GENESEE                                    | GENESEE   | ERIE  | ERIE   | ERIE   |
|--|---|---|--|--|
| Attica                                     | Attica  | Attica  | Attica   | Attica   |
| 39   | 40  | 41  | 42   | 43   |
| Chick No. 2                                | Chick No. 1   | D. Beacher<br>No. 3   | J. Mann No. 1  | R. Lemke No. 1   |
|  |   | Reserve Gas<br>Co.  | Iroquois<br>Gas Co.  | Iroquois<br>Gas Co.  |
| Darien                                     | Darien  | Alden   | Marilla  | Marilla  |
| 14,600' South<br>of 42° 55'                | 14,800' South<br>of 42° 55'   | 3,300' North<br>of 42° 55'  | 5,500' South<br>of 42° 50'   | 9,050' South<br>of 42° 50'   |
| 300' West<br>of 78° 20'                    | 1,150' East<br>of 78° 20'   | 9,150' East<br>of 78° 30'   | 3,000' East<br>of 78° 30'  | 1,100' East<br>of 78° 30'  |
| 4/3/18                                     |   | 1956  | 8/6/21   | 10/14/21   |
| 1,180' Topo.                               | 1,220'  | 840' Topo.  | 1,136'   | 1,106'   |
|  |   |   |  |  |
| 660'—                                      | 546'—709'   | 284'—442'   | 785'—950'  | 770'—921'  |
|  |   |   |  |  |
|  | 1,115'—1,123'   |   |  |  |
|  | 1,280'—1,476'   | 907'—1,104'   | 1,410'—1,734'  | 1,390'—1,717'  |
|  | 1,620'—1,713'   | 1,230'—1,351'   | 1,764'—1,863'  | 1,759'—1,847'  |
|  |   | N. P.   | 1,863'—1,868'  | 1,847'—1,853'  |
|  | 1,713'—   | 1,351'—   | 1,868'—  | 1,853'—  |
|  |   |   |  |  |
|  |   |   |  |  |
|  |   |   |  |  |
|  |   |   |  |  |
| 719'                                       | 1,721'  | 1,371'  | 1,876'   | 1,883'   |
| Onondaga                                   | Queenston   | Queenston   | Queenston  | Queenston  |
| Gas at 687' &<br>694'. I. O. F.<br>20 Mcf. | Clinton at<br>1,615'—1,620'.<br>Show of gas<br>in Onondaga<br>& Medina.<br>P. & A.<br>**p | Clinton at<br>1,208'—1,230'.<br>I. O. F. 26 Mcf.<br>I. R. P. 535<br>Lbs. a/s 26<br>Mcf. | Black water<br>and smoke at<br>1,500'. Gas<br>at 1,863'—<br>1,864'.<br>P. & A. | Smoke and<br>black water<br>at 1,485'. Gas<br>at 1,847'.<br>I. O. F. 75 Mcf.<br>I. R. P. 550<br>Lbs. |

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TABLE I (Cont.)

| COUNTY         |                          | ERIE   | ERIE  | WYOMING                  | WYOMING   |
|----------------|--------------------------|--|---|--------------------------|---|
| QUADRANGLE     |                          | Attica   | Attica  | Attica                   | Attica  |
| MAP NUMBER     |                          | 44   | 45  | 46                       | 47  |
| NAME OF WELL   |                          | D. Schilling No. 4                                 | J. E. Bender No. 1                            | F. E. Strorus No. 1      | G. & E. Rudolph No. 1                                       |
| OPERATOR       |                          | Iroquois Gas Co.                                   | Iroquois Gas Co.                              | Iroquois Gas Co.         | Iroquois Gas Co.  |
| TOWNSHIP       |                          | Marilla  | Marilla                                       | Bennington               | Bennington  |
| LATITUDE       |                          | 9,650' South of 42° 50'                            | 16,300' South of 42° 50'                      | 10,700' North of 42° 50' | 7,900' North of 42° 50'                                     |
| LONGITUDE      |                          | 100' East of 78° 30'                               | 1,350' East of 78° 30'                        | 13,600' West of 78° 25'  | 4,500' East of 78° 25'                                      |
| DATE COMPLETED |                          | 9/4/52   | 7/18/22                                       | 1/30/14                  | 1/5/22  |
| ELEVATION      |                          | 1,130' Topo.                                       | 1,091'  | 988.77'                  | 1,220' Topo.  |
| TULLY          |                          |  |   |                          |   |
| ONONDAGA       |                          | 810'-975'  | 770'-923'                                     | 515'-660'                | 836'-1,004'   |
| ORISKANY       |                          |  |   |                          |   |
| SALT ZONE      |                          |  |   |                          |   |
| LOCKPORT       |                          | 1,475'-1,771'                                      | 1,400'-1,748'                                 | 1,158'-1,486'            | 1,507'-1,796'   |
| MEDINAN        | RED MEDINA (GRIMSBY)     | 1,802'-  | 1,778'-1,879'                                 | 1,486'-1,596'            | 1,830'-1,927'   |
|                | WHITE MEDINA (WHIRLPOOL) |  | N. P.   |                          | N. P.   |
| QUEENSTON      |                          |  | 1,874' -                                      |                          | 1,927' -  |
| OSWEGO         |                          |  |   |                          |   |
| TRENTON        |                          |  |   |                          |   |
| POTSDAM        |                          |  |   |                          |   |
| PRECAMBRIAN    |                          |  |   |                          |   |
| TOTAL DEPTH    |                          | 1,907'   | 1,887'  | 1,611'                   | 1,933'  |
| DEEPEST FM.    |                          | Queenston  | Queenston                                     | Queenston                | Queenston   |
| REMARKS        |                          | Storage well. Sulfur, gas & black water at 1,530'. | Black water at 1,505'. Gas at 1,865'. P. & A. | D. & A.                  | Smoke at 1,542'. Black water at 1,562'. Show gas at 1,908'. |



| WYOMING  | WYOMING  | WYOMING  | WYOMING   | WYOMING                           |
|--|--|--|---|-----------------------------------|
| Attica   | Attica   | Attica   | Attica  | Attica                            |
| 48   | 49   | 50   | 51  | 52                                |
| E. Linsey<br>No. 1   | Hickox No. 2   | G. Held No. 1  | F. Schlitz<br>No. 2   | C. B. Kenyon<br>No. 1             |
| Iroquois<br>Gas Co.  | H. W.<br>Patterson   |  |   | Iroquois<br>Gas Corp.             |
| Bennington   | Bennington   | Bennington   | Bennington  | Bennington                        |
| 5,100' North<br>of 42° 50'   | 8,800' North<br>of 42° 50'                                     | 5,700' North<br>of 42° 50'   | 2,650' North<br>of 42° 50'  | 2,500' North<br>of 42° 50'        |
| 9,600' West<br>of 78° 20'  | 5,380' East<br>of 78° 20'                                      | 4,000' East<br>of 78° 20'  | 3,800' East<br>of 78° 20'   | 11,200' West<br>of 78° 25'        |
| 11/16/21   | 2/19/53  |  | 9/9/51  | 7/26/20                           |
| 1,240' Topo.   | 1,260' Topo.   | 1,325' Topo.   | 1,405'  | 939.42'                           |
|  |  |  |   |                                   |
| 807'-974'  |  | 912'-1,067'  | 1,002'-1,148'   | 540'-700'                         |
|  |  |  |   |                                   |
|  |  |  |   | 1,190'-1,204'                     |
| 1,498'-1,801'  |  | 1,675'-1,830'  | 1,720'-1,900'   | 1,204'-1,493'                     |
| 1,838'-1,935'  | 1,942'-2,041'  | 1,974'-2,069'  | 2,066'-2,129'   | 1,521'-1,609'                     |
| N. P.  |  |  | 2,129'-2,157'   | 1,609'-1,629'                     |
| 1,935'—  | 2,041'—  |  | 2,157'—   | 1,629'—                           |
|  |  |  |   |                                   |
|  |  |  |   |                                   |
|  |  |  |   |                                   |
|  |  |  |   |                                   |
| 1,939'   | 2,065'   | 2,091'   | 2,171'  | 1,637'                            |
| Queenston  | Queenston  | Queenston  | Queenston   | Queenston                         |
| Smoke at 1,551'.<br>Black water<br>at 1,577'.<br>Show gas at<br>1,923'.<br>P. & A. | Gas at 2,031'-<br>2,036'. I. O. F.<br>60 Mcf. 250<br>Mcf. a/s. | Clinton at<br>1,935'-1,958'.<br>Gas at 2,047'<br>& 2,164'.<br>I. O. F. 50 Mcf. | Clinton at<br>2,029'-2,048'.<br>Gas at 2,145'<br>& 2,155'.<br>I. O. F. 10 Mcf.<br>P. & A. | Show gas at<br>1,586'.<br>P. & A. |

| COUNTY         |                                | WYOMING   | WYOMING                    | WYOMING                    | WYOMING                    |
|----------------|--------------------------------|---|----------------------------|----------------------------|----------------------------|
| QUADRANGLE     |                                | Attica  | Attica                     | Attica                     | Attica                     |
| MAP NUMBER     |                                | 53  | 54                         | 55                         | 56                         |
| NAME OF WELL   |                                | L. Strzelczyk<br>No. 1                            | H. & M. Peirick<br>No. 1   |                            |                            |
| OPERATOR       |                                | Iroquois<br>Gas Corp.                             | Iroquois<br>Gas Corp.      |                            |                            |
| TOWNSHIP       |                                | Bennington  | Bennington                 | Bennington                 | Bennington                 |
| LATITUDE       |                                | 1,400' North<br>of 42° 50'                        | 2,300' North<br>of 42° 50' | 1,000' North<br>of 42° 50' | 2,200' South<br>of 42° 50' |
| LONGITUDE      |                                | 2,700' West<br>of 78° 25'                         | 3,500' East<br>of 78° 25'  | 7,600' East<br>of 78° 25'  | 8,700' West<br>of 78° 25'  |
| DATE COMPLETED |                                | 6/28/28   | 10/6/21                    |                            |                            |
| ELEVATION      |                                | 1,081.63'   | 1,225' Topo.               | 1,178'                     | 995' Topo.                 |
| TULLY          |                                |   |                            |                            |                            |
| ONONDAGA       |                                | 705'-855'   | 806'-969'                  | 800' —                     | 610' —                     |
| ORISKANY       |                                |   |                            |                            |                            |
| SALT ZONE      |                                |   |                            |                            |                            |
| LOCKPORT       |                                | 1,350'-1,670'                                     | 1,481'-1,784'              |                            |                            |
| MEDINAN        | RED<br>MEDINA<br>(GRIMSBY)     | 1,705'-1,784'                                     | 1,821'-1,886'              | 1,800' —                   | 1,600' —                   |
|                | WHITE<br>MEDINA<br>(WHIRLPOOL) | 1,784'-1,796'                                     | 1,892'-1,919'              |                            |                            |
| QUEENSTON      |                                | 1,796' —  | 1,919' —                   |                            |                            |
| OSWEGO         |                                |   |                            |                            |                            |
| TRENTON        |                                |   |                            |                            |                            |
| POTSDAM        |                                |   |                            |                            |                            |
| PRECAMBRIAN    |                                |   |                            |                            |                            |
| TOTAL DEPTH    |                                | 1,802'  | 1,929'                     | N. R.                      | N. R.                      |
| DEEPEST FM.    |                                | Queenston   | Queenston                  | Queenston?                 | Queenston?                 |
| REMARKS        |                                | Black water<br>and smoke at<br>1,420'.<br>D. & A. | Gas at 1,901'.<br>P. & A.  | P. & A.                    | P. & A.                    |

| WYOMING                     | WYOMING                           | WYOMING                         | WYOMING   | WYOMING   |
|-----------------------------|-----------------------------------|---------------------------------|---|---|
| Attica                      | Attica                            | Attica                          | Attica  | Attica  |
| 57                          | 58                                | 59                              | 60  | 61  |
| E. & B. Becker<br>No. 1     | N. Lapp<br>No. 1                  | E. E. Clark<br>No. 1            | P. Schneider<br>No. 1                             | E. & B. Becker<br>No. 2   |
| Iroquois<br>Gas Corp.       | Iroquois<br>Gas Corp.             | Republic                        | Iroquois<br>Gas Corp.                             | Iroquois<br>Gas Corp.   |
| Bennington                  | Bennington                        | Bennington                      | Bennington  | Bennington  |
| 1,400' South<br>of 42° 50'  | 2,500' South<br>of 42° 50'        | 4,050' South<br>of 42° 50' Est. | 3,500' South<br>of 42° 50'                        | 2,800' South<br>of 42° 50'  |
| 1,100' West<br>of 78° 25'   | 4,200' East<br>of 78° 25'         | 750' West<br>of 78° 20' Est.    | 5,600' West<br>of 78° 25'                         | 1,000' West<br>of 78° 25'   |
| 10/28/20                    | 8/13/21                           | 1920                            | 1/13/20   | 1/2/21  |
| 1,225.62'                   | 1,242.95'                         | 1,430'                          | 1,106.05'   | 1,213.66'   |
|                             |                                   |                                 |   |   |
| 865'-1,035'                 | 885'-1,051'                       | 1,115'—                         | 765'-925'   | 860'-1,020'   |
|                             |                                   |                                 |   |   |
|                             |                                   |                                 |   |   |
| 1,540'-1,849'               | 1,572'-1,889'                     | 1,825'-2,020'                   | 1,430'-1,740'                                     | 1,495'-1,847'   |
| 1,885'-1,987'               | 1,930'-2,018'                     | 2,170'—                         | 1,770'-1,830'                                     | 1,977'-1,983'   |
| 1,987'—                     | 2,018'-2,030'                     |                                 | 1,830'-1,860'                                     |   |
|                             | 2,030'—                           |                                 | 1,860'—   |   |
|                             |                                   |                                 |   |   |
|                             |                                   |                                 |   |   |
|                             |                                   |                                 |   |   |
|                             |                                   |                                 |   |   |
| 1,995'                      | 2,030'                            | 2,180'                          | 1,872'  | 2,013'  |
| White Medina                | Queenston                         | Red Medina                      | Queenston   | Queenston   |
| Water at 1,605'.<br>P. & A. | Show gas at<br>2,020'.<br>P. & A. | P. & A.                         | Black water<br>and smoke at<br>1,515'.<br>P. & A. | Smoke at 1,605'.<br>Black water<br>at 1,625'.<br>Clinton at<br>1,887'-1,977'.<br>Gas at 1,977'-<br>1,981'. I. O. F.<br>340 Mcf.<br>I. R. P. 490<br>Lbs. |

| COUNTY         |                                | WYOMING   | WYOMING  | WYOMING                                     | WYOMING                    |
|----------------|--------------------------------|---|--|---|----------------------------|
| QUADRANGLE     |                                | Attica  | Attica   | Attica                                      | Attica                     |
| MAP NUMBER     |                                | 62  | 63   | 64  | 65                         |
| NAME OF WELL   |                                | E. Kaczmarck<br>No. 1   | J. Borden<br>No. 1   | R. Kilian<br>No. 1                          | F. & L. Mann<br>No. 1      |
| OPERATOR       |                                | Iroquois<br>Gas Corp.   | Iroquois<br>Gas Corp.  | Iroquois<br>Gas Corp.                       | Iroquois<br>Gas Corp.      |
| TOWNSHIP       |                                | Bennington  | Bennington   | Bennington                                  | Bennington                 |
| LATITUDE       |                                | 3,400' South<br>of 42° 50'  | 4,800' South<br>of 42° 50'   | 5,400' South<br>of 42° 50'                  | 6,800' South<br>of 42° 50' |
| LONGITUDE      |                                | 1,000' East<br>of 78° 25'   | 7,500' West<br>of 78° 25'  | 1,900' West<br>of 78° 25'                   | 18,700' West<br>of 78° 25' |
| DATE COMPLETED |                                | 3/24/20   | 6/26/19  | 3/11/53                                     | 2/25/21                    |
| ELEVATION      |                                | 1,141.27'   | 1,035.91'  | 1,185' Topo.                                | 1,129.8'                   |
| TULLY          |                                |   |  |   |                            |
| ONONDAGA       |                                | 788'-945'   | 710'-870'  | 850'-1,010'                                 | 800'-955'                  |
| ORISKANY       |                                |   |  |   |                            |
| SALT ZONE      |                                |   |  |   |                            |
| LOCKPORT       |                                | 1,465'-1,786'   | 1,386'-1,676'  | 1,510'-1,835'                               | 1,440'-1,739'              |
| MEDINAN        | RED<br>MEDINA<br>(GRIMSBY)     | 1,806'-1,818'   | 1,706'-1,800'  | 1,867'—                                     | 1,763'-1,856'              |
|                | WHITE<br>MEDINA<br>(WHIRLPOOL) | 1,898'-1,910'   | 1,800'-1,809'  |   | 1,856'-1,868'              |
| QUEENSTON      |                                | 1,910'—   | 1,809'—  |   | 1,868'—                    |
| OSWEGO         |                                |   |  |   |                            |
| TRENTON        |                                |   |  |   |                            |
| POTSDAM        |                                |   |  |   |                            |
| PRECAMBRIAN    |                                |   |  |   |                            |
| TOTAL DEPTH    |                                | 1,954'  | 1,834'   | 1,973'                                      | 1,875'                     |
| DEEPEST FM.    |                                | Queenston   | Queenston  | Queenston                                   | Queenston                  |
| REMARKS        |                                | Smoke at<br>1,550'-1,575'.<br>Gas at 1,846'<br>& 1,886'.<br>P. & A. | Gas at 1,800'-<br>1,809'. I. O. F.<br>281 Mcf.<br>I. R. P. 600<br>Lbs. | Gas at 1,964'<br>& 1,971'.<br>Storage well. | Show at 1,795'.<br>P. & A. |



| WYOMING                    | WYOMING                    | WYOMING   | WYOMING                    | WYOMING                    |
|----------------------------|----------------------------|---|----------------------------|----------------------------|
| Attica                     | Attica                     | Attica  | Attica                     | Attica                     |
| 66                         | 67                         | 68  | 69                         | 70                         |
|                            |                            | M. B. North<br>No. 1  |                            |                            |
|                            |                            | Iroquois<br>Gas Corp.   |                            |                            |
| Bennington                 | Bennington                 | Bennington  | Bennington                 | Bennington                 |
| 6,900' South<br>of 42° 50' | 7,000' South<br>of 42° 50' | 6,800' South<br>of 42° 50'  | 8,900' South<br>of 42° 50' | 9,500' South<br>of 42° 50' |
| 8,200' East<br>of 78° 30'  | 9,900' West<br>of 78° 25'  | 2,600' West<br>of 78° 25'   | 11,600' West<br>of 78° 25' | 8,200' West<br>of 78° 25'  |
|                            |                            | 10/26/18  |                            |                            |
| 1,210'                     | 1,214'                     | 1,047.39'   | 1,239'                     | 1,241'                     |
|                            |                            |   |                            |                            |
| 875'—                      | 860'—                      | 725'—890'   | 930'—                      | 943'—                      |
|                            |                            |   |                            |                            |
|                            |                            | 1,230'—   |                            |                            |
|                            |                            | 1,350'—1,760'   |                            |                            |
| 1,830'—                    | 1,887'—                    | 1,765'—1,845'   | 1,930'—                    | 1,956'—                    |
|                            |                            | 1,845'—1,855'   |                            |                            |
|                            |                            |   |                            |                            |
|                            |                            |   |                            |                            |
|                            |                            |   |                            |                            |
|                            |                            |   |                            |                            |
|                            |                            |   |                            |                            |
| N. R.                      | N. R.                      | 1,873'  | N. R.                      | N. R.                      |
| Queenston?                 | Queenston?                 | Queenston   | Queenston                  | Queenston                  |
| P. & A.                    | P. & A.                    | Smoke at 1,560'.<br>Black water<br>at 1,565'. Gas<br>at 1,845'—1,855'.<br>I. O. F.<br>262,367 cf.<br>I. R. P. 740<br>Lbs. | P. & A.                    | P. & A.                    |

| COUNTY         |                                | WYOMING                    | WYOMING                     | WYOMING  | WYOMING   |
|----------------|--------------------------------|----------------------------|-----------------------------|--|---|
| QUADRANGLE     |                                | Attica                     | Attica                      | Attica   | Attica  |
| MAP NUMBER     |                                | 71                         | 72                          | 73   | 74  |
| NAME OF WELL   |                                | F. Kreutter<br>No. 1       | W. & M. Meyer<br>No. 1      | R. W. Cole<br>No. 2  | E. Nuernberger  |
| OPERATOR       |                                | Iroquois<br>Gas Corp.      | Iroquois<br>Gas Corp.       | Iroquois<br>Gas Co.  | Iroquois<br>Gas Co.   |
| TOWNSHIP       |                                | Bennington                 | Bennington                  | Bennington   | Bennington  |
| LATITUDE       |                                | 8,300' South<br>of 42° 50' | 15,100' South<br>of 42° 50' | 12,600' South<br>of 42° 50'  | 11,000' South<br>of 42° 50'                                       |
| LONGITUDE      |                                | 3,300' West<br>of 78° 25'  | 17,700' West<br>of 78° 25'  | 15,800' West<br>of 78° 25'   | 12,200' West<br>of 78° 25'  |
| DATE COMPLETED |                                | 1/3/19                     | 3/7/22                      | 10/1/53  | 4/25/22   |
| ELEVATION      |                                | 1,103.2'                   | 1,220.48'                   | 1,250' Topo.   | 1,285' Topo.  |
| TULLY          |                                |                            |                             |  |   |
| ONONDAGA       |                                | 815'-970'                  | 986'-1,098'                 | 950'-1,115'  | 991'-1,146'   |
| ORISKANY       |                                |                            |                             |  |   |
| SALT ZONE      |                                |                            |                             |  |   |
| LOCKPORT       |                                | 1,470'-1,680'              | 1,599'-1,916'               | 1,610'-1,901'  | 1,640'-1,944'   |
| MEDINAN        | RED<br>MEDINA<br>(GRIMSBY)     | 1,820'-1,920'              | 1,930'-2,039'               | 1,931'-2,036'  | 1,980'-2,080'   |
|                | WHITE<br>MEDINA<br>(WHIRLPOOL) |                            | N. P.                       |  | N. P.   |
| QUEENSTON      |                                |                            |                             |  |   |
| OSWEGO         |                                |                            |                             |  |   |
| TRENTON        |                                |                            |                             |  |   |
| POTSDAM        |                                |                            |                             |  |   |
| PRECAMBRIAN    |                                |                            |                             |  |   |
| TOTAL DEPTH    |                                | 1,949'                     | 2,047'                      | N. R.  | N. R.   |
| DEEPEST FM.    |                                | Queenston                  | Queenston                   | Queenston  | Queenston?  |
| REMARKS        |                                | P. & A.                    | P. & A.                     | Sulfur gas at<br>1,695'. Black<br>water at 1,710'.<br>Gas at 2,033'.<br>I. O. F. 31,358<br>cf. I. R. P.<br>475 Lbs.<br>Storage well. | Gas at 2,077'.<br>I. O. F.<br>117,020 cf.<br>I. R. P. 495<br>Lbs. |

| WYOMING                    | WYOMING   | WYOMING                     | WYOMING   | WYOMING  |
|----------------------------|---|-----------------------------|---|--|
| Attica                     | Attica  | Attica                      | Attica  | Attica   |
| 75                         | 76  | 77                          | 78  | 79   |
|                            | N. Kirsch<br>No. 1  | J. Zeigler<br>No. 1         | L. C. Wilkie  | Hon. F. C.<br>Stevens  |
|                            | Iroquois<br>Gas Co.   | Iroquois<br>Gas Co.         | Alden-Batavia<br>Nat. Gas Co.   |  |
| Bennington                 | Bennington  | Bennington                  | Attica  | Attica   |
| 9,350' South<br>of 42° 50' | 15,700' South<br>of 42° 50'   | 16,100' South<br>of 42° 50' | 9,100' North<br>of 42° 50'  | 10,200' North<br>of 42° 50'  |
| 5,900' East<br>of 78° 25'  | 7,300' West<br>of 78° 25'   | 5,500' East<br>of 78° 25'   | 12,200' West<br>of 78° 15'  | 7,800' West<br>of 78° 15'  |
|                            | 6/28/22   | 9/4/20                      | 9/8/16  | 9/1897   |
| 1,295' Topo.               | 1,345' Topo.  | 1,150.6'                    | 1,215'  | 990' Topo.   |
|                            |   |                             |   |  |
| 1,025' —                   | 1,086'—1,245'   | 975'—1,150'                 | 150'?—284'?   | 550'—710'  |
|                            |   |                             | N. R.   |  |
|                            |   |                             | 1,129'—1,185'   |  |
|                            | 1,778'—2,078'   | 1,650'—1,947'               | 1,435'—1,630'   | 1,250'—1,475'  |
| 2,068' —                   | 2,110'—2,210'   | 1,987'—2,072'               | 1,780'—1,872'   | 1,605'—1,704'  |
|                            | N. P.   | 2,072'—2,077'               |   |  |
|                            |   | 2,077' —                    | 1,872' —  |  |
|                            |   |                             |   |  |
|                            |   |                             |   |  |
|                            |   |                             |   |  |
|                            |   |                             |   |  |
| N. R.                      | N. R.   | 2,088'                      | 1,880'  | 1,708'   |
| Queenston                  | Queenston   | Queenston                   | Queenston   | Queenston  |
| P. & A.                    | Smoke and<br>water at<br>1,838'. Gas<br>show at<br>2,180'.<br>P. & A. | P. & A.                     | Clinton at<br>1,741'—1,760'.<br>Black water<br>at 1,514'.<br>Show gas at<br>1,803' & 1,856'.<br>I. O. F. 10<br>Mcf.<br>P. & A.<br>**p | Clinton at<br>1,570'—1,605'.<br>Gas at 1,658',<br>1,690' & 1,672'.<br>I. O. F. 400<br>Mcf. I. R. P.<br>650 Lbs.<br>**p |

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TABLE I (Cont.)

| COUNTY         |                          | WYOMING                 | WYOMING                           | ERIE   | ERIE                           |
|----------------|--------------------------|-------------------------|-----------------------------------|--|--------------------------------|
| QUADRANGLE     |                          | Attica                  | Attica                            | Attica   | Attica                         |
| MAP NUMBER     |                          | 80                      | 81                                | 82   | 83                             |
| NAME OF WELL   |                          | Attica Well             | J. Mattison                       | A. F. Thorpe No. 1   | A. Smith No. 1                 |
| OPERATOR       |                          |                         |                                   | Iroquois Gas Co.   | Iroquois Gas Co.               |
| TOWNSHIP       |                          | Attica                  | Attica                            | Wales  | Wales                          |
| LATITUDE       |                          | 8,450' North of 42° 45' | 5,800' South of 42° 50'           | 8,500' North of 42° 45'  | 6,200' North of 42° 45'        |
| LONGITUDE      |                          | 4,300' West of 78° 15'  | 7,100' East of 78° 20'            | 4,700' East of 78° 30'   | 8,000' East of 78° 30'         |
| DATE COMPLETED |                          | Before 1893             | 1919                              | 9/25/50  | 8/11/50                        |
| ELEVATION      |                          | 983'                    | 1,040'                            | 1,175' Topo.   | 1,340' Topo.                   |
| TULLY          |                          |                         |                                   |  |                                |
| ONONDAGA       |                          | 575'-731'               | 710'-855'                         | 790'-958'  | 1,079'-1,243'                  |
| ORISKANY       |                          |                         | N. R.                             |  | 1,243'-1,248'                  |
| SALT ZONE      |                          | 1,490'-1,500'           | 1,284'-1,292'                     |  | 1,640'-1,660'                  |
| LOCKPORT       |                          |                         | 1,460'-1,740'(?)                  | 1,440'-1,480'(?)   | 1,800'-2,089'                  |
| MEDINAN        | RED MEDINA (GRIMSBY)     | 1,737'—                 | 1,780'-1,865'                     | 1,480'(?)-1,800'   | 2,125'-2,217'                  |
|                | WHITE MEDINA (WHIRLPOOL) |                         |                                   | 1,820'-1,910'  |                                |
| QUEENSTON      |                          |                         |                                   | 1,910'—  |                                |
| OSWEGO         |                          |                         |                                   |  |                                |
| TRENTON        |                          |                         |                                   |  |                                |
| POTSDAM        |                          |                         |                                   |  |                                |
| PRECAMBRIAN    |                          |                         |                                   |  |                                |
| TOTAL DEPTH    |                          | 1,900'                  | 1,885'                            | 1,936'   | 2,246'                         |
| DEEPEST FM.    |                          | Queenston               | Queenston                         | Queenston  | Queenston                      |
| REMARKS        |                          | D. & A.                 | Clinton at 1,740'-1,780'. P. & A. | Water at 1,567'. Show gas at 1,900'-1,905'. I. O. F. 25,624 cf. Poor record. P. & A. | Show gas at 906'-912'. P. & A. |



| ERIE  | ERIE                       | WYOMING  | WYOMING  | WYOMING  |
|---|----------------------------|--|--|--|
| Attica  | Attica                     | Attica   | Attica   | Attica   |
| 84  | 85                         | 86   | 87   | 88   |
| C. Parker<br>No. 1  | S. & J. Manton<br>No. 1    | S. & R. Meyers<br>No. 1  | R. & C. Metz<br>No. 2  | C. Palmer<br>No. 1   |
| Iroquois<br>Gas Co.   | Iroquois<br>Gas Co.        | Iroquois<br>Gas Co.  | Iroquois<br>Gas Co.  | Iroquois<br>Gas Co.  |
| Wales   | Wales                      | Sheldon  | Sheldon  | Sheldon  |
| 3,950' North<br>of 42° 45'  | 2,600' North<br>of 42° 45' | 9,100' North<br>of 42° 45'   | 9,800' North<br>of 42° 45'   | 7,200' North<br>of 42° 45'                                       |
| 3,950' East<br>of 78° 30'   | 8,000' East<br>of 78° 30'  | 9,200' West<br>of 78° 25'  | 600' West<br>of 78° 25'  | 4,300' East<br>of 78° 25'  |
| 2/5/51  | 11/28/50                   | 9/22/47  | 1/2/51   | 6/8/50   |
| 1,225' Topo.  | 1,405' Topo.               | 1,320' Topo.   | 1,460' Topo.   | 1,500' Topo.   |
|   |                            |  |  |  |
| 1,000'-1,168'   | 1,136'-1,298'              | 1,014'-1,180'  | 1,260'-1,425'  | 1,338'-1,498'  |
|   |                            |  |  |  |
|   |                            |  |  | 1,889'-1,919'  |
| 1,712'-2,000'   | 1,781'-2,140'              | 1,690'-2,020'  | 1,985'-2,289'  | 2,084'-2,361'  |
| 2,039'-2,138'   | 2,182'-2,275'              | 2,058'-2,163'  | 2,315'-2,415'  | 2,384'-2,483'  |
|   | N. P.                      |  |  |  |
|   |                            |  |  |  |
|   |                            |  |  |  |
|   |                            |  |  |  |
|   |                            |  |  |  |
|   |                            |  |  |  |
|   |                            |  |  |  |
| 2,173'  | 2,305'                     | 2,181'   | 2,443'   | 2,506'   |
| Queenston   | Queenston                  | Queenston  | Queenston  | Queenston  |
| Smoke and<br>black water at<br>1,785'. Gas at<br>321', 485' &<br>939'. Water<br>at 1,800'.<br>P. & A. | D. & A.                    | Smoke and<br>black water<br>at 1,782'.<br>Show gas at<br>980' & 2,161'.<br>D. & A. | Smoke and<br>black water at<br>2,058'. Show<br>gas at 800' &<br>2,404'.<br>D. & A. | Water at 20',<br>1,265' & 2,115'.<br>Smoke at 1,265'.<br>D. & A. |

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TABLE I (Cont.)

| COUNTY         |                                | WYOMING   | WYOMING                    | WYOMING                    | WYOMING   |
|----------------|--------------------------------|---|----------------------------|----------------------------|---|
| QUADRANGLE     |                                | Attica  | Attica                     | Attica                     | Attica  |
| MAP NUMBER     |                                | 89  | 90                         | 91                         | 92  |
| NAME OF WELL   |                                | L. & M. Victor<br>No. 1   | J. & G. Wolf<br>No. 1      | Brucksopp<br>No. 1         | R. & C. Metz<br>No. 1   |
| OPERATOR       |                                | Iroquois<br>Gas Corp.   | Republic                   | Iroquois<br>Gas Corp.      | Iroquois<br>Gas Corp.   |
| TOWNSHIP       |                                | Sheldon   | Sheldon                    | Sheldon                    | Sheldon   |
| LATITUDE       |                                | 9,050' North<br>of 42° 45'  | 4,050' North<br>of 42° 45' | 5,000' North<br>of 42° 45' | 6,000' North<br>of 42° 45'  |
| LONGITUDE      |                                | 8,600' West<br>of 78° 20'   | 6,250' East<br>of 78° 20'  | 6,500' West<br>of 78° 25'  | 600' West<br>of 78° 25'   |
| DATE COMPLETED |                                | 8/4/50  | 1920                       | 11/14/46                   | 9/25/50   |
| ELEVATION      |                                | 1,620' Topo.  | 1,180'                     | 1,280' Topo.               | 1,490' Topo.  |
| TULLY          |                                |   |                            |                            |   |
| ONONDAGA       |                                | 1,347'-1,524'   | 1,007'—                    | 1,070'-1,236'              | 1,316'-1,475'   |
| ORISKANY       |                                | 1,524'-1,534'   |                            |                            |   |
| SALT ZONE      |                                |   |                            |                            |   |
| LOCKPORT       |                                | 2,112'-2,395'   | 1,770'—                    | 1,740'-2,076'              | 2,043'-2,350'   |
| MEDINAN        | RED<br>MEDINA<br>(GRIMSBY)     | 2,408'-2,496'   | 2,100'—                    | 2,111'-2,223'              | 2,370'-2,471'   |
|                | WHITE<br>MEDINA<br>(WHIRLPOOL) |   |                            |                            |   |
| QUEENSTON      |                                |   | 2,186'—                    |                            |   |
| OSWEGO         |                                |   |                            |                            |   |
| TRENTON        |                                |   |                            |                            |   |
| POTSDAM        |                                |   |                            |                            |   |
| PRECAMBRIAN    |                                |   |                            |                            |   |
| TOTAL DEPTH    |                                | 2,517'  | 2,206'                     | 2,238'                     | 2,479'  |
| DEEPEST FM.    |                                | Queenston   | Queenston                  | Queenston                  | Queenston   |
| REMARKS        |                                | Smoke at 2,150'.<br>Black water<br>at 2,158'.<br>Show gas at<br>1,528'-1,534'.<br>D. & A. | D. & A.                    | D. & A.                    | Black water at<br>2,100'. Show<br>gas at 180' &<br>235'.<br>D. & A. |

| WYOMING   | WYOMING   | WYOMING  | WYOMING                    | WYOMING                           |
|---|---|--|----------------------------|-----------------------------------|
| Attica  | Attica  | Attica   | Attica                     | Attica                            |
| 93  | 94  | 95   | 96                         | 97                                |
| B. Shark &<br>J. Krom No. 1   | L. & M. Victor<br>No. 1                           | H. & E. Zehler<br>No. 1  | K. H. Bauer<br>No. 1       | O. Younker<br>No. 2               |
| Iroquois<br>Gas Corp.   | Iroquois<br>Gas Corp.                             | Iroquois<br>Gas Corp.  | Iroquois<br>Gas Corp.      | Iroquois<br>Gas Corp.             |
| Sheldon   | Sheldon   | Sheldon  | Sheldon                    | Sheldon                           |
| 3,200' North<br>of 42° 45'  | 6,000' North<br>of 42° 45'                        | 2,900' North<br>of 42° 45'   | 1,100' North<br>of 42° 45' | 3,300' North<br>of 42° 45'        |
| 6,800' East<br>of 78° 25'   | 10,300' West<br>of 78° 20'                        | 9,700' West<br>of 78° 20'  | 7,600' West<br>of 78° 25'  | 5,400' West<br>of 78° 25'         |
| 10/17/50  | 5/29/50   | 7/26/50  | 3/13/47                    | 6/23/47                           |
| 1,525' Topo.  | 1,360' Topo.                                      | 1,395' Topo.   | 1,270' Topo.               | 1,265' Topo.                      |
|   |   |  |                            |                                   |
| 1,380'-1,540'   | 1,095'-1,255'                                     |  | 1,096'-1,261'              | 1,115'-1,279'                     |
|   |   |  |                            |                                   |
| 1,934'-1,974'   | 1,670'-1,705'                                     | 1,123'-1,285'  |                            |                                   |
| 2,100'-2,395'   | 1,827'-2,127'                                     | 1,860'-2,145'  | 1,780'-2,108'              | 1,825'-2,118'                     |
| 2,426'-2,524'   | 2,157'-2,257'                                     | 2,178'-2,279'  | 2,131'-2,149'              | 2,150'-2,255'                     |
|   |   |  |                            | N. P.                             |
|   |   |  |                            | 2,255' —                          |
|   |   |  |                            |                                   |
|   |   |  |                            |                                   |
|   |   |  |                            |                                   |
|   |   |  |                            |                                   |
| 2,548'  | 2,288'  | 2,294'   | 2,274'                     | 2,285'                            |
| Queenston   | Queenston   | Queenston  | Queenston                  | Queenston                         |
| Show gas at<br>285'. Smoke<br>and black<br>water at<br>2,173'.<br>D. & A. | Smoke and<br>black water at<br>1,905'.<br>D. & A. | Smoke at 1,905'.<br>Black water<br>at 1,925'.<br>Show gas at<br>2,249'.<br>P. & A. | D. & A.                    | Show gas at<br>1,090'.<br>D. & A. |

| COUNTY         |                                | WYOMING                         | GENESEE   | ERIE   | ERIE                                       |
|----------------|--------------------------------|---------------------------------|---|--|--|
| QUADRANGLE     |                                | Attica                          | Attica  | Attica   | Depew                                      |
| MAP NUMBER     |                                | 98                              | 99  | 100  | 1  |
| NAME OF WELL   |                                | H. G. Glor<br>No. 1             | C. Bontrager<br>No. 1   | M. Lang<br>No. 1   | G. Willkens<br>No. 1                       |
| OPERATOR       |                                | Alden-Batavia<br>Nat. Gas Corp. | Reserve<br>Gas Co.  | Reserve<br>Gas Co.   | Iroquois<br>Gas Corp.                      |
| TOWNSHIP       |                                | Orangeville                     | Darien  | Alden  | Amherst                                    |
| LATITUDE       |                                | 5,500' North<br>of 42° 45'      | 6,950' South<br>of 42° 55'  | 8,100' South<br>of 42° 55'   | 12,400' North<br>of 42° 55'                |
| LONGITUDE      |                                | 8,400' West<br>of 78° 15'       | 10,150' East<br>of 78° 30'  | 7,200' East<br>of 78° 30'  | 5,500' East<br>of 78° 45'                  |
| DATE COMPLETED |                                | 1918                            | 12/23/57  | 1/22/55  | 7/4/06                                     |
| ELEVATION      |                                | 1,480'                          | 905' Topo.  | 870' Topo.   | 295' Topo.                                 |
| TULLY          |                                |                                 |   |  |  |
| ONONDAGA       |                                | 1,210' —                        | 299'—454'   | 294'—449'  | 11'—90'                                    |
| ORISKANY       |                                |                                 |   |  |  |
| SALT ZONE      |                                |                                 |   |  |  |
| LOCKPORT       |                                | 2,015'—2,200'                   | 924'—1,135'   | 924'—1,131'  | 545'—817'                                  |
| MEDINAN        | RED<br>MEDINA<br>(GRIMSBY)     | 2,323' —                        | 1,238'—1,356'   | 1,243' —   | 834'—909'                                  |
|                | WHITE<br>MEDINA<br>(WHIRLPOOL) |                                 | N. P.   | —1,356'  | 917'—948'                                  |
| QUEENSTON      |                                | 2,409' —                        | 1,356' —  |  | 948' —                                     |
| OSWEGO         |                                |                                 |   |  |  |
| TRENTON        |                                |                                 |   |  |  |
| POTSDAM        |                                |                                 |   |  |  |
| PRECAMBRIAN    |                                |                                 |   |  |  |
| TOTAL DEPTH    |                                | 2,435'                          | 1,361'  | 1,378'   | 990'                                       |
| DEEPEST FM.    |                                | Queenston                       | Queenston   | Queenston  | Queenston                                  |
| REMARKS        |                                |                                 | Clinton at<br>1,220'—1,238'.<br>Gas at 1,307'—<br>1,354'. I. O. F.<br>115 Mcf. I. R. P.<br>550 Lbs. a/s<br>660 Mcf.<br>** | Clinton at<br>1,216'—1,237'.<br>Gas at 1,307'<br>& 1,351'.<br>Smoke at 973'.<br>Black water<br>at 1,033'.<br>I. O. F. 15<br>Mcf. I. R. P.<br>415 Lbs.<br>a/s 50 Mcf. | Gas at 939' &<br>943'. I. O. F.<br>25 Mcf. |



| ERIE   | ERIE  | ERIE   | ERIE   | ERIE                                     |
|--|---|--|--|--|
| Depew  | Depew   | Depew  | Depew  | Depew                                    |
| 2  | 3   | 4  | 5  | 6  |
| R. Knapp<br>No. 1  | L. Lentz  | A. Boy   | B. Feldman<br>No. 1  | Stuler                                   |
| R. Knapp   |   | Alden-Batavia<br>Nat. Gas Co.  | R. S. Knapp  |  |
| Clarence   | Clarence  | Clarence   | Newstead   | Newstead                                 |
| 9,750' South<br>of 43° 00'   | 15,400' South<br>of 43° 00'   | 14,200' North<br>of 42° 55'  | 12,600' South<br>of 43° 00'  | 13,300' South<br>of 43° 00'              |
| 10,700' East<br>of 78° 40'   | 2,000' West<br>of 78° 35'   | 700' East<br>of 78° 55'  | 4,100' West<br>of 78° 30'  | 1,800' West<br>of 78° 30'                |
| 4/1953   | 1904  | 1903   | 12/1/48  | 1903                                     |
| 725' Topo.   | 796'  | 805' Topo.   | 805'   | 805'                                     |
|  |   |  |  |  |
| 95'-540'   |   | 145'—  | 29'-143'   |  |
|  |   |  |  |  |
|  |   |  |  |  |
| 540'-742'  |   | 610'—  | 603'-815'  |  |
| 843'-919'  | 935'—   | 930'—  | 922'-1,003'  | 950'—                                    |
| 925'-958'  | —1,052'   |  | 1,003'-1,042'  | —1,060'                                  |
| 958'-976'  | 1,052'—   | 1,041'—  | 1,042'—  | 1,060'—                                  |
|  |   |  |  |  |
|  |   |  |  |  |
|  |   |  |  |  |
|  |   |  |  |  |
| 976'   | 1,132'  | 1,146'   | 1,067'   | N. R.                                    |
| Queenston  | Queenston   | Queenston  | Queenston  | Queenston                                |
| Clinton at<br>818'-837'.<br>Black water<br>at 621'. Gas<br>in White<br>Medina.<br>I. O. F. 42 Mcf.<br>I. R. P. 425 Lbs.<br>a/s 30 Mcf. | Gas at 979' &<br>1,003'. I. O. F.<br>100 Mcf.<br>I. R. P. 600<br>Lbs. | Clinton at<br>907'—.<br>Gas at 958'<br>& 1,007'.<br>I. O. F. 160 Mcf.<br>I. R. P. 565 Lbs.<br>Cleaned out<br>9/24. | Clinton at<br>900'-922'.<br>I. O. F. 65 Mcf.<br>I. R. P. 385<br>Lbs. | I. O. F. 55 Mcf.<br>I. R. P. 480<br>Lbs. |

| COUNTY         |                                | ERIE  | ERIE                        | ERIE                                  | ERIE   |
|----------------|--------------------------------|---|-----------------------------|---------------------------------------|--|
| QUADRANGLE     |                                | Depew   | Depew                       | Depew                                 | Depew  |
| MAP NUMBER     |                                | 7   | 8                           | 9                                     | 10   |
| NAME OF WELL   |                                | Wendex No. 2  | Lehman No. 1                | G. Buchele                            | F. & H. Yocum  |
| OPERATOR       |                                |   |                             |                                       | Republic   |
| TOWNSHIP       |                                | Newstead  | Newstead                    | Newstead                              | Newstead   |
| LATITUDE       |                                | 14,100' North<br>of 42° 55'   | 15,300' South<br>of 43° 00' | 14,500' South<br>of 43° 00'           | 16,200' South<br>of 43° 00'  |
| LONGITUDE      |                                | 7,900' East<br>of 78° 35'   | 10,900' West<br>of 78° 30'  | 8,700' West<br>of 78° 30'             | 5,000' East<br>of 78° 35'  |
| DATE COMPLETED |                                | 1904  | 11/21/04                    |                                       | 9/22/30  |
| ELEVATION      |                                | 779'  | 785'                        | 790' Topo.                            | 789'   |
| TULLY          |                                |   |                             |                                       |  |
| ONONDAGA       |                                |   |                             |                                       | 20'-115'   |
| ORISKANY       |                                |   |                             |                                       |  |
| SALT ZONE      |                                |   |                             |                                       |  |
| LOCKPORT       |                                |   |                             |                                       | 595'-790'  |
| MEDINAN        | RED<br>MEDINA<br>(GRIMSBY)     | 911'—   | 928'—                       | 940'—                                 | 917'-944'  |
|                | WHITE<br>MEDINA<br>(WHIRLPOOL) | —1,027'   | —1,042'                     | —1,044'                               | 944'-1,034'  |
| QUEENSTON      |                                | 1,027'—   | 1,042'—                     | 1,044'—                               | 1,034'—  |
| OSWEGO         |                                |   |                             |                                       |  |
| TRENTON        |                                |   |                             |                                       |  |
| POTSDAM        |                                |   |                             |                                       |  |
| PRECAMBRIAN    |                                |   |                             |                                       |  |
| TOTAL DEPTH    |                                | N. R.   | N. R.                       |                                       | 1,091'   |
| DEEPEST FM.    |                                | Queenston   | Queenston                   | Queenston                             | Queenston  |
| REMARKS        |                                | Gas at<br>1,007' & 1,027'.<br>I. O. F. 200 Mcf.<br>I. R. P. 580<br>Lbs. | Gas at 1,040'.<br>D. & A.   | Gas at 997'<br>& 1,025'.<br>Producer. | Gas at 975',<br>980' & 1,008'-<br>1,013'.<br>I. O. F. 160 Mcf.<br>I. R. P. 420 Lbs.<br>D. & A. |

| ERIE                        | ERIE   | ERIE   | ERIE                        | ERIE  |
|-----------------------------|--|--|-----------------------------|---|
| Depew                       | Depew  | Depew  | Depew                       | Depew   |
| 11                          | 12   | 13   | 14                          | 15  |
| A. Gipple<br>No. 1          | J. Eggert<br>No. 1   | Buffalo Crushed<br>Stone Co. No. 3                                     | G. Helwig<br>No. 1          | S. Measert<br>No. 2                                 |
| Iroquois<br>Gas Corp.       | Iroquois<br>Gas Corp.  | Buffalo Crushed<br>Stone Co.   | Iroquois<br>Gas Corp.       | Iroquois<br>Gas Corp.                               |
| Cheektowaga                 | Cheektowaga  | Lancaster  | Lancaster                   | Lancaster   |
| 10,200' North<br>of 42° 55' | 7,200' North<br>of 42° 55'                                   | 13,400' North<br>of 42° 55'  | 10,300' North<br>of 42° 55' | 10,400' North<br>of 42° 55'                         |
| 11,300' East<br>of 78° 45'  | 9,625' East<br>of 78° 45'                                    | 600' West<br>of 78° 40'  | 7,000' East<br>of 78° 40'   | 8,000' West<br>of 78° 35'                           |
| 9/21/03                     | 6/18/04  | 3/11/49  | 12/18/05                    | 9/23/10   |
| 690' Topo.                  | 705' Topo.   | 709'   | 725' Topo.                  | 765' Topo.  |
|                             |  |  |                             |   |
| 17'-100'                    | 50'-140'   | 2'-88'   | 10'-115'                    | 63'-163'  |
|                             |  |  |                             |   |
|                             |  |  |                             |   |
| 545'-840'                   | 580'-856'  | 550'-749'  | 590'-872'                   | 625'-928'   |
| 860'-934'                   | 879'-958'  | 844'-924'  | 897'-975'                   | 958'-1,026'   |
| 941'-971'                   | 964'-992'  | 929' —   | 981'-1,013'                 | 1,038'-1,059'                                       |
| 971' —                      | 992' —   |  | 1,013' —                    | 1,059' —  |
|                             |  |  |                             |   |
|                             |  |  |                             |   |
|                             |  |  |                             |   |
|                             |  |  |                             |   |
| 1,012'                      | 1,047'   | 961'   | 1,053'                      | 1,090'  |
| Queenston                   | Queenston  | Queenston  | Queenston                   | Queenston   |
| Gas at 968'.<br>Producer.   | Smoke and<br>black water<br>at 685'.<br>I. O. F. 100<br>Mcf. | Gas at 866',<br>877', 900',<br>911' & 949'.<br>I. O. F. a/s<br>40 Mcf. | I. O. F. 25 Mcf.            | Gas at 1,022'.<br>I. R. P. 450<br>Lbs.<br>Producer. |
|                             |  |  |                             |   |

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TABLE I (Cont.)

| COUNTY         |                                | ERIE  | ERIE   | ERIE   | ERIE  |
|----------------|--------------------------------|---|--|--|---|
| QUADRANGLE     |                                | Depew   | Depew  | Depew  | Depew   |
| MAP NUMBER     |                                | 16  | 17   | 18   | 19  |
| NAME OF WELL   |                                | S. Measert<br>No. 1   | Depew Well<br>No. 2  | D. Stutzman<br>No. 1                                 | H. Wiser & W.<br>Willette No. 1   |
| OPERATOR       |                                | Iroquois<br>Gas Corp.   |  | Iroquois<br>Gas Corp.                                | Iroquois<br>Gas Corp.   |
| TOWNSHIP       |                                | Lancaster   | Lancaster  | Lancaster  | Lancaster   |
| LATITUDE       |                                | 10,600' North<br>of 42° 55'   | 6,800' North<br>of 42° 55'   | 8,300' North<br>of 42° 55'                           | 9,700' North<br>of 42° 55'  |
| LONGITUDE      |                                | 5,800' West<br>of 78° 35'   | 5,700' West<br>of 78° 40'  | 5,000' West<br>of 78° 40'                            | 1,200' East<br>of 78° 40'   |
| DATE COMPLETED |                                | 7/16/04   |  | 5/3/07   | 10/17/03  |
| ELEVATION      |                                | 765' Topo.  | 710'   | 705' Topo.   | 715' Topo.  |
| TULLY          |                                |   |  |  |   |
| ONONDAGA       |                                |   |  | 4'-110'  |   |
| ORISKANY       |                                |   |  |  |   |
| SALT ZONE      |                                |   |  |  |   |
| LOCKPORT       |                                | 650'-935'   | 594'-794'  | 576'-850'  | 590'-848'   |
| MEDINAN        | RED<br>MEDINA<br>(GRIMSBY)     |   | 884'-974'  | 880'-953'  | 876'-969'   |
|                | WHITE<br>MEDINA<br>(WHIRLPOOL) |   | 974'-986'  | 959'-1,000'  | 974'-1,000'   |
| QUEENSTON      |                                |   | 986' —   | 1,000' —   | 1,000' —  |
| OSWEGO         |                                |   | 2,150'-2,225'  |  |   |
| TRENTON        |                                |   | 2,855'-3,575'  |  |   |
| POTSDAM        |                                |   |  |  |   |
| PRECAMBRIAN    |                                |   |  |  |   |
| TOTAL DEPTH    |                                | 1,122'  | 3,685'   | 1,043'   | 1,042'  |
| DEEPEST FM.    |                                | Queenston   | Potsdam?   | Queenston  | Queenston   |
| REMARKS        |                                | Smoke and<br>black water<br>at 700' &<br>760'. Gas<br>at 1,022' &<br>1,069'. I. O. F.<br>150 Mcf. | Clinton at<br>794'-884'.<br>Gas at 1,100'.<br>I. R. P. 620 Lbs.<br>**P | Gas at 720',<br>978' & 997'.<br>I. O. F. 100<br>Mcf. | Black water<br>and smoke at<br>640' & 690'.<br>Gas at 968'.<br>I. O. F. 200 Mcf.<br>I. R. P. 575<br>Lbs. Est. |



| ERIE  | ERIE                       | ERIE                       | ERIE                                     | ERIE                       |
|---|----------------------------|----------------------------|--|----------------------------|
| Depew   | Depew                      | Depew                      | Depew                                    | Depew                      |
| 20  | 21                         | 22                         | 23                                       | 24                         |
| S. & L. Wiltse<br>No. 1   | F. Martzolf                | M. & L. Young<br>No. 1     | C. Zurbrick<br>No. 1                     | J. Goss<br>No. 1           |
| Iroquois<br>Gas Corp.   |                            | Iroquois<br>Gas Corp.      | Iroquois<br>Gas Corp.                    | Iroquois<br>Gas Corp.      |
| Lancaster   | Lancaster                  | Lancaster                  | Lancaster                                | Lancaster                  |
| 8,800' North<br>of 42° 55'  | 7,700' North<br>of 42° 55' | 6,000' North<br>of 42° 55' | 7,300' North<br>of 42° 55'               | 6,700' North<br>of 42° 55' |
| 6,000' West<br>of 78° 40'   | 4,000' West<br>of 78° 35'  | 2,700' West<br>of 78° 40'  | 800' West<br>of 78° 40'                  | 4,600' East<br>of 78° 40'  |
| 1/6/04  |                            | 7/18/22                    | 11/4/11                                  | 9/12/23                    |
| 705' Topo.  | 770'                       | 735' Topo.                 | 715' Topo.                               | 715' Topo.                 |
|   |                            |                            |  |                            |
|   |                            | 54'-197'                   | 18'-136'                                 | 37'-154'                   |
|   |                            |                            |  |                            |
|   |                            |                            |  |                            |
| 566'-830'   | 650'-880'                  | 660'-901'                  | 618'-887'                                | 590'-897'                  |
| 855'-936'   | 998'—                      | 930'-1,009'                |  | 924'-999'                  |
| 936'-942'   |                            | 1,013'-1,054'              | 996'-1,022'                              | 1,007'-1,039'              |
| 942'—   |                            | 1,054'—                    | 1,022'—                                  | 1,039'—                    |
|   |                            |                            |  |                            |
|   |                            |                            |  |                            |
|   |                            |                            |  |                            |
|   |                            |                            |  |                            |
| 1,025'  | 1,158'                     | 1,068'                     | 1,073'                                   | 1,054'                     |
| Queenston   | Queenston                  | Queenston                  | Queenston                                | Queenston                  |
| Black water<br>and smoke at<br>620' & 665'.<br>Gas at 961'<br>& 976'.<br>I. O. F. 100<br>Mcf. |                            | D. & A.                    | I. O. F. 30 Mcf.<br>I. R. P. 200<br>Lbs. | D. & A.                    |

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TABLE I (Cont.)

| COUNTY         |                                | ERIE                                      | ERIE   | ERIE                       | ERIE   |
|----------------|--------------------------------|---|--|----------------------------|--|
| QUADRANGLE     |                                | Depew                                     | Depew  | Depew                      | Depew  |
| MAP NUMBER     |                                | 25  | 26   | 27                         | 28   |
| NAME OF WELL   |                                | A. Demkowski<br>No. 1                     | W. Blair   | A. Dombowski<br>No. 2      | A. Pawelczyk<br>No. 1  |
| OPERATOR       |                                | Iroquois<br>Gas Corp.                     | N. Y. Gas &<br>Electric Co.  | Iroquois<br>Gas Corp.      | Iroquois<br>Gas Corp.  |
| TOWNSHIP       |                                | Lancaster                                 | Lancaster  | Lancaster                  | Lancaster  |
| LATITUDE       |                                | 5,800' North<br>of 42° 55'                | 4,850' North<br>of 42° 55'   | 2,100' North<br>of 42° 55' | 1,900' North<br>of 42° 55'   |
| LONGITUDE      |                                | 4,900' East<br>of 78° 40'                 | 1,500' West<br>of 78° 35'  | 5,250' East<br>of 78° 40'  | 11,250' East<br>of 78° 40'   |
| DATE COMPLETED |                                | 12/29/23                                  | 11/26/28   | 4/24/24                    | 5/29/24  |
| ELEVATION      |                                | 720' Topo.                                | 775' Topo.   | 715' Topo.                 | 745' Topo.   |
| TULLY          |                                |   |  |                            |  |
| ONONDAGA       |                                | 44'-164'                                  | 88'-238'   | 49'-209'                   | 78'-236'   |
| ORISKANY       |                                |   |  |                            |  |
| SALT ZONE      |                                |   |  |                            |  |
| LOCKPORT       |                                | 680'-915'                                 | 688'-885'  | 659'-942'                  | 686'-984'  |
| MEDINAN        | RED<br>MEDINA<br>(GRIMSBY)     | 931'-1,014'                               | 1,011'-1,087'  | 972'-1,049'                | 1,009'-1,094'  |
|                | WHITE<br>MEDINA<br>(WHIRLPOOL) | 1,020'-1,051'                             | 1,098'-1,135'  | 1,053'-1,086'              | 1,101'-1,136'  |
| QUEENSTON      |                                | 1,051'—                                   | 1,135'—  | 1,086'—                    | 1,136'—  |
| OSWEGO         |                                |   |  |                            |  |
| TRENTON        |                                |   |  |                            |  |
| POTSDAM        |                                |   |  |                            |  |
| PRECAMBRIAN    |                                |   |  |                            |  |
| TOTAL DEPTH    |                                | 1,079'                                    | 1,171'   | 1,095'                     | 1,177'   |
| DEEPEST FM.    |                                | Queenston                                 | Queenston  | Queenston                  | Queenston  |
| REMARKS        |                                | Gas at 1,034'-<br>1,036'.<br>a/s 115 Mcf. | Clinton at<br>985'-1,007'.<br>Black water<br>at 796'. Gas<br>at 1,123'.<br>I. O. F. 26.6<br>Mcf.<br>a/s 100 Mcf.<br>(2 hrs.) 53 Mcf.<br>(1 day) 31.64 Mcf.<br>(6 days) | D. & A.                    | Smoke and<br>black water at<br>771' & 821'.<br>Gas at 1,124'-<br>1,130'. I. O. F.<br>48.9 Mcf.<br>I. R. P. 475<br>Lbs. |

| ERIE   | ERIE                               | ERIE   | ERIE  | ERIE   |
|--|------------------------------------|--|---|--|
| Depew  | Depew                              | Depew  | Depew   | Depew  |
| 29   | 30                                 | 31   | 32  | 33   |
| P. Cooper  | J. Bethka<br>No. 1                 | McLeron  | G. Atwood<br>No. 2  | Barker   |
| N. Y. Gas &<br>Electric Co.  |                                    | N. Y. Gas &<br>Electric Co.  | Iroquois<br>Gas Corp.   | N. Y. Gas &<br>Electric Co.  |
| Lancaster  | Lancaster                          | Lancaster  | Lancaster   | Lancaster  |
| 600' North<br>of 42° 55'   | 1,900' South<br>of 42° 55'         | 800' South<br>of 42° 55'   | 5,600' South<br>of 42° 55'  | 3,400' South<br>of 42° 55'   |
| 400' East<br>of 78° 55'  | 700' East<br>of 78° 40'            | 8,350' West<br>of 78° 35'  | 9,100' East<br>of 78° 40'   | 3,750' West<br>of 78° 35'  |
| 9/28/22  | 1906                               | 11/5/23  |   | 7/11/19  |
| 760' Topo.   | 757'                               | 740' Topo.   | 714'  | 730' Topo.   |
|  |                                    |  |   |  |
| 100'-270'  |                                    | 83'-250'   | 95'-270'  | 150'-285'  |
|  |                                    |  |   |  |
|  |                                    |  |   |  |
| 720'-917'  |                                    | 692'-901'  | 731'-1,002'   | 700'-945'  |
| 1,038'-1,113'  | 1,064'—                            | 1,005'-1,081'  | 1,029'-1,104'   | 1,061'-1,148'  |
| 1,113'-1,152'  | —1,177'                            | 1,086'—  | 1,111'-1,146'   | 1,148'-1,181'  |
| 1,152'—  | 1,177'—                            |  | 1,146'—   | 1,181'—  |
|  |                                    |  |   |  |
|  |                                    |  |   |  |
|  |                                    |  |   |  |
|  |                                    |  |   |  |
| 1,193'   | 1,257'                             | 1,109'   | 1,153'  | 1,227'   |
| Queenston  | Queenston                          | Queenston  | Queenston   | Queenston  |
| Clinton at<br>1,012'-1,038'.<br>Smoke at 777'.<br>Gas at 1,130'.<br>I. O. F. 23.64<br>Mcf. | Gas at 1,124',<br>1,130' & 1,154'. | Clinton at<br>975'-999'.<br>Smoke at 820'.<br>Gas at 1,092'-<br>1,100'. I. O. F.<br>1,979,600 cf.<br>Producer. | Black water at<br>810'. Show<br>gas at 1,115'.<br>22,000 cf.<br>D. & A. | Clinton at<br>1,033'-1,061'.<br>Smoke at 800'.<br>Black water at<br>860'. I. O. F.<br>250 Mcf. |

| COUNTY         |                          | ERIE                                    | ERIE  | ERIE                      | ERIE                    |
|----------------|--------------------------|---|---|---------------------------|-------------------------|
| QUADRANGLE     |                          | Depew                                   | Depew   | Depew                     | Depew                   |
| MAP NUMBER     |                          | 34                                      | 35  | 36                        | 37                      |
| NAME OF WELL   |                          | Wannamaker                              | Barker  | H. Willis                 |                         |
| OPERATOR       |                          | N. Y. Gas & Electric Co.                | N. Y. Gas & Electric Co.  | N. Y. Gas & Electric Co.  |                         |
| TOWNSHIP       |                          | Lancaster                               | Lancaster   | Lancaster                 | Lancaster               |
| LATITUDE       |                          | 6,500' South of 42° 55'                 | 5,500' South of 42° 55'   | 4,600' South of 42° 55'   | 7,150' South of 42° 55' |
| LONGITUDE      |                          | 6,700' West of 78° 35'                  | 3,500' West of 78° 35'  | 700' East of 78° 35'      | 2,400' West of 78° 40'  |
| DATE COMPLETED |                          | 1904                                    | 11/16/16  | 8/6/14                    |                         |
| ELEVATION      |                          | 730' Todo.                              | 740' Topo.  | 745' Topo.                | 740'                    |
| TULLY          |                          |   |   |                           |                         |
| ONONDAGA       |                          |   | 135'-290'   | 110'-270'                 | 130' —                  |
| ORISKANY       |                          |   |   |                           |                         |
| SALT ZONE      |                          |   |   |                           |                         |
| LOCKPORT       |                          |   | 760'-960'   | 735'-935'                 |                         |
| MEDINAN        | RED MEDINA (GRIMSBY)     | 1,020' —                                | 1,066'-1,141'   | 1,050'-1,121'             | 1,070' —                |
|                | WHITE MEDINA (WHIRLPOOL) |   | 1,150'-1,183'   | 1,121'-1,162'             |                         |
| QUEENSTON      |                          |   | 1,183' —  | 1,162' —                  |                         |
| OSWEGO         |                          |   |   |                           |                         |
| TRENTON        |                          |   |   |                           |                         |
| POTSDAM        |                          |   |   |                           |                         |
| PRECAMBRIAN    |                          |   |   |                           |                         |
| TOTAL DEPTH    |                          | 1,225'                                  | 1,241'  | 1,222'                    | N. R.                   |
| DEEPEST FM.    |                          | Queenston                               | Queenston   | Queenston                 | Queenston?              |
| REMARKS        |                          | Gas at 1,150'-1,180'. I. O. F. 150 Mcf. | Clinton at 1,041'-1,061'. Black water and smoke at 820' & 870'. Gas at 1,160'-1,168'. I. O. F. 400 Mcf. | Clinton at 1,020'-1,050'. |                         |



| ERIE                              | ERIE   | ERIE                       | ERIE   | ERIE  |
|-----------------------------------|--|----------------------------|--|---|
| Depew                             | Depew  | Depew                      | Depew  | Depew   |
| 38                                | 39   | 40                         | 41   | 42  |
| J. & E. Gast<br>No. 1             | E. Wahle<br>No. 1  | C. Warner<br>No. 1         | R. Stephan<br>No. 1  | W. Willis<br>No. 1  |
| Iroquois<br>Gas Corp.             | Iroquois<br>Gas Corp.                                      | Iroquois<br>Gas Corp.      | Iroquois<br>Gas Corp.  | Iroquois<br>Gas Corp.   |
| Lancaster                         | Lancaster  | Lancaster                  | Lancaster  | Lancaster   |
| 8,400' South<br>of 42° 55'        | 9,200' South<br>of 42° 55'                                 | 7,500' South<br>of 42° 55' | 10,500' South<br>of 42° 55'                                  | 9,300' South<br>of 42° 55'  |
| 5,700' East<br>of 78° 40'         | 8,700' East<br>of 78° 40'                                  | 10,350' West<br>of 78° 35' | 3,100' West<br>of 78° 35'                                    | 50' East<br>of 78° 35'  |
| 3/10/22                           | 10/15/21   | 12/16/24                   | 10/23/13   | 3/11/02   |
| 684'                              | 692'   | 725' Topo.                 | 725' Topo.   | 751'  |
|                                   |  |                            |  |   |
| 88'-250'                          | 90'-255'   | 120'-290'                  | 160'-315'  | 180'-360'   |
|                                   |  |                            |  |   |
|                                   |  |                            |  |   |
| 710'-991'                         | 720'-995'  | 732'-1,029'                | 765'-1,060'  | 800'-1,096'   |
| 1,084'-1,088'                     | 1,025'-1,095'  | 1,054'-1,130'              | 1,089'-1,171'  | 1,124'-1,208'   |
| 1,094'-1,116'                     | 1,103'-1,137'  | 1,136'-1,176'              | 1,177'-1,212'  | 1,208'-1,231'   |
| 1,116'—                           | 1,137'—  | 1,176'—                    | 1,212'—  | 1,231'—   |
|                                   |  |                            |  |   |
|                                   |  |                            |  |   |
|                                   |  |                            |  |   |
|                                   |  |                            |  |   |
| 1,129'                            | 1,156'   | 1,186'                     | 1,240'   | 1,286'  |
| Queenston                         | Queenston  | Queenston                  | Queenston  | Queenston   |
| Show gas at<br>1,103'.<br>D. & A. | Gas at 1,108'.<br>I. O. F. 32 Mcf.<br>I. R. P. 605<br>Lbs. | D. & A.                    | Black water<br>at 898'.<br>Show gas in<br>Medina.<br>P. & A. | Smoke at 850'.<br>Black water<br>at 885'.<br>I. O. F. 170<br>Mcf. |

| COUNTY         |                                | ERIE                                     | ERIE  | ERIE                        | ERIE                        |
|----------------|--------------------------------|--|---|-----------------------------|-----------------------------|
| QUADRANGLE     |                                | Depew                                    | Depew   | Depew                       | Depew                       |
| MAP NUMBER     |                                | 43                                       | 44  | 45                          | 46                          |
| NAME OF WELL   |                                | E. Ziegler<br>No. 1                      | O. Rickter<br>No. 1   | W. Eiss<br>No. 1            | F. Handy<br>No. 1           |
| OPERATOR       |                                | Iroquois<br>Gas Corp.                    | Iroquois<br>Gas Corp.   | Iroquois<br>Gas Corp.       | Iroquois<br>Gas Corp.       |
| TOWNSHIP       |                                | Lancaster                                | Lancaster   | Lancaster                   | Lancaster                   |
| LATITUDE       |                                | 13,200' South<br>of 42° 55'              | 14,700' South<br>of 42° 55'   | 14,900' South<br>of 42° 55' | 14,750' South<br>of 42° 55' |
| LONGITUDE      |                                | 2,700' West<br>of 78° 35'                | 800' West<br>of 78° 35'   | 6,900' East<br>of 78° 40'   | 10,400' West<br>of 78° 35'  |
| DATE COMPLETED |                                | 12/29/12                                 | 5/31/13   | 7/27/17                     | 7/29/16                     |
| ELEVATION      |                                | 730' Topo.                               | 740' Topo.  | 722' Topo.                  | 725' Topo.                  |
| TULLY          |                                |  |   |                             |                             |
| ONONDAGA       |                                | 200'-352'                                | 250'-410'   | 160'-312'                   | 180'-335'                   |
| ORISKANY       |                                |  |   |                             |                             |
| SALT ZONE      |                                |  |   |                             |                             |
| LOCKPORT       |                                | 832'-1,108'                              | 900'-1,155'   | 788'-1,062'                 | 790'-999'                   |
| MEDINAN        | RED<br>MEDINA<br>(GRIMSBY)     | 1,128'-1,198'                            | 1,180'-1,253'   | 1,088'-1,158'               | 1,118'-1,186'               |
|                | WHITE<br>MEDINA<br>(WHIRLPOOL) | 1,206'-1,248'                            | 1,264'-1,299'   | 1,164'-1,182'               | 1,192'-1,212'               |
| QUEENSTON      |                                | 1,248' —                                 | 1,299' —  | 1,182' —                    | 1,212' —                    |
| OSWEGO         |                                |  |   |                             |                             |
| TRENTON        |                                |  |   |                             |                             |
| POTS DAM       |                                |  |   |                             |                             |
| PRECAMBRIAN    |                                |  |   |                             |                             |
| TOTAL DEPTH    |                                | 1,292'                                   | 1,357'  | 1,193'                      | 1,228'                      |
| DEEPEST FM.    |                                | Queenston                                | Queenston   | Queenston                   | Queenston                   |
| REMARKS        |                                | I. O. F. 83 Mcf.<br>I. R. P. 425<br>Lbs. | Gas at 1,265'<br>& 1,268'.<br>I. O. F. 238<br>Mcf. I. R. P.<br>325 Lbs. | Dry.<br>D. & A.             | Dry.<br>D. & A.             |

| ERIE  | ERIE  | ERIE  | ERIE   | ERIE                        |
|---|---|---|--|-----------------------------|
| Depew   | Depew   | Depew   | Depew  | Depew                       |
| 47  | 48  | 49  | 50   | 51                          |
| G. A. Quick<br>No. 1  | F. Schilling<br>No. 1   | J. Heigel                                       | F. Duttwiler   | O. Spencer                  |
| Iroquois<br>Gas Corp.                                       | Iroquois<br>Gas Corp.   | Iroquois<br>Gas Corp.                           |  | Akron Nat.<br>Gas Co.       |
| Lancaster   | Lancaster   | Lancaster                                       | Alden  | Alden                       |
| 16,500' South<br>of 42° 55'                                 | 18,000' South<br>of 42° 55'   | 17,600' South<br>of 42° 55'                     | 13,750' North<br>of 42° 55'  | 11,900' North<br>of 42° 55' |
| 8,900' West<br>of 78° 35'                                   | 10,600' East<br>of 78° 40'  | 7,200' West<br>of 78° 35'                       | 3,650' East<br>of 78° 35'  | 9,500' East<br>of 78° 35'   |
| 4/25/14   | 5/20/14   | 11/30/13  | 1905   | 2/1912                      |
| 735' Topo.  | 755' Topo.  | 750' Topo.                                      | 830' Topo.   | 782' Topo.                  |
|   |   |   |  |                             |
| 210'–360'   | 200'–360'   | 250'–405'                                       |  |                             |
|   |   |   |  |                             |
|   |   |   |  |                             |
| 827'–1,120'   | 810'–1,106'   | 880'–1,157'                                     |  |                             |
| 1,140'–1,216'   | 1,131'–1,200'   | 1,187'–1,265'                                   | 955' –   | 946' –                      |
| 1,225'–1,246'   | 1,211'–1,231'   | 1,265'–1,285'                                   |  | –1,063'                     |
| 1,246' –  |   | 1,285' –  | 1,061' –   | 1,063' –                    |
|   |   |   |  |                             |
|   |   |   |  |                             |
|   |   |   |  |                             |
|   |   |   |  |                             |
| 1,259'  | 1,309'  | 1,362'  | 1,132'   | 1,126'                      |
| Queenston   | Queenston   | Queenston                                       | Queenston  | Queenston                   |
| Smoke at 890'.<br>Black water<br>at 905' & 945'.<br>D. & A. | Smoke at 875'.<br>Black water<br>at 895' & 940'.<br>I. O. F. 134 Mcf.<br>I. R. P. 485<br>Lbs. | I. O. F.<br>497,280 cf.<br>I. R. P. 530<br>Lbs. | Gas at 1,000'<br>& 1,032'.<br>I. O. F. 45 Mcf.<br>I. R. P. 590<br>Lbs. | Gas at 1,046'.<br>Producer. |

## NEW YORK

TABLE I (Cont.)

| COUNTY         |                                | ERIE   | ERIE  | ERIE   | ERIE  |
|----------------|--------------------------------|--|---|--|---|
| QUADRANGLE     |                                | Depew  | Depew   | Depew  | Depew   |
| MAP NUMBER     |                                | 52   | 53  | 54   | 55  |
| NAME OF WELL   |                                | J. Denz  | J. Dutwiler   | Austel   | Waldo   |
| OPERATOR       |                                | Alden-Batavia<br>Nat. Gas Co.  | Akron Nat.<br>Gas Co.   |  |   |
| TOWNSHIP       |                                | Alden  | Alden   | Alden  | Alden   |
| LATITUDE       |                                | 13,400' North<br>of 42° 55'  | 10,800' North<br>of 42° 55'   | 11,000' North<br>of 42° 55'  | 10,500' North<br>of 42° 55'                     |
| LONGITUDE      |                                | 800' West<br>of 78° 30'  | 3,500' East<br>of 78° 35'   | 6,800' West<br>of 78° 30'  | 50' West<br>of 78° 30'                          |
| DATE COMPLETED |                                | 1903   | 6/1906  | 1907   |   |
| ELEVATION      |                                | 815' Topo.   | 790' Topo.  | 790' Topo.   | 825' Topo.                                      |
| TULLY          |                                |  |   |  |   |
| ONONDAGA       |                                |  |   |  |   |
| ORISKANY       |                                |  |   |  |   |
| SALT ZONE      |                                |  |   |  |   |
| LOCKPORT       |                                | 640' —   |   |  |   |
| MEDINAN        | RED<br>MEDINA<br>(GRIMSBY)     | 972' —   | 947' —  |  | 1,024' —  |
|                | WHITE<br>MEDINA<br>(WHIRLPOOL) | —1,098'  |   |  |   |
| QUEENSTON      |                                | 1,098' —   | 1,055' —  |  |   |
| OSWEGO         |                                |  |   |  |   |
| TRENTON        |                                |  |   |  |   |
| POTSDAM        |                                |  |   |  |   |
| PRECAMBRIAN    |                                |  |   |  |   |
| TOTAL DEPTH    |                                | 1,118'   | 1,145'  | N. R.  | 1,190'  |
| DEEPEST FM.    |                                | Queenston  | Queenston   | Queenston?   | Queenston                                       |
| REMARKS        |                                | Clinton at<br>950' —.<br>Gas at 1,056',<br>1,075' & 1,081'.<br>I. O. F. 180<br>Mcf. I. R. P.<br>530 Lbs. | Gas at 1,024'<br>& 1,032'.<br>I. O. F. 160<br>Mcf. I. R. P.<br>560 Lbs. | Top sand<br>1,100'. Gas<br>at 1,175' &<br>1,190'—1,198'.<br>P. & A.<br>1921. | Gas at 1,085' &<br>1,104'. I. O. F.<br>150 Mcf. |



| ERIE  | ERIE   | ERIE   | ERIE  | ERIE   |
|---|--|--|---|--|
| Depew   | Depew  | Depew  | Depew   | Depew  |
| 56  | 57   | 58   | 59  | 60   |
| Gilbert No. 1   | F. Schye No. 1   | A. Layer No. 1   | Lehigh Valley R. R. No. 1   | F. Uebelhoer                                       |
| Reserve Gas Co.   | N. Y. Gas & Electric Co.   | Reserve Gas Co.  | Alden-Aurora Gas Co.  | Alden-Batavia Nat. Gas Co.                         |
| Alden   | Alden  | Alden  | Alden   | Alden  |
| 7,200' North of 42° 55'   | 4,350' North of 42° 55'  | 6,750' North of 42° 55'  | 2,750' North of 42° 55'   | 200' North of 42° 55'                              |
| 10,400' West of 78° 30'   | 2,950' East of 78° 35'   | 5,600' East of 78° 35'   | 7,850' East of 78° 35'  | 11,050' West of 78° 30'                            |
| 10/12/49  | 7/23/30  | 5/13/39  | 2/4/39  | 3/30/05  |
| 795' Topo.  | 785' Topo.   | 778' Topo.   | 790' Topo.  | 810' Topo.   |
|   |  |  |   |  |
| 49'-177'  | 84'-252'   | 55'-201'   | 52'-216'  |  |
| N. R.   |  |  |   |  |
| N. R.   |  |  |   |  |
| 639'-957'   | 694'-887'  | 647'-859'  | 665'-877'   |  |
| 983'-1,056'   | 1,099' -   | 979'-1,054'  | 1,004'-1,084'   | 1,055' -   |
| 1,056'-1,098'   | 1,102'-1,140'  | 1,056'-1,090'  | 1,084'-1,122'   |  |
| 1,098' -  | 1,140' -   | 1,090' -   | 1,122' -  |  |
|   |  |  |   |  |
|   |  |  |   |  |
|   |  |  |   |  |
|   |  |  |   |  |
| 1,117'  | 1,186'   | 1,095'   | 1,140'  | 1,257'   |
| Queenston   | Queenston  | Queenston  | Queenston   | Queenston  |
| Clinton at 957'-977'. Gas at 1,050'-1,053' & 1,087'-1,092'. I. O. F. 17.9 Mcf. a/s 28 Mcf. ** | Clinton at 999'-1,021'. Black water at 798'. Gas at 1,106'-1,125'. 48 Mcf. (5 days). I. R. P. 325 Lbs. | Clinton at 953'-973'. Smoke at 717'. Black water at 717'. Gas at 1,056'-1,078'. I. O. F. 11 Mcf. a/s 44 Mcf. | Clinton at 979'-997'. Smoke at 746'. Black water at 756'. Gas at 1,092'-1,120'. I. O. F. 65 Mcf. a/s 281 Mcf. I. R. P. 280 Lbs. | Gas at 1,146'. I. O. F. 160 Mcf. I. R. P. 500 Lbs. |

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TABLE I (Cont.)

| COUNTY         |                          | ERIE   | ERIE                       | ERIE   | ERIE                                |
|----------------|--------------------------|--|----------------------------|--|-------------------------------------|
| QUADRANGLE     |                          | Depew  | Depew                      | Depew  | Depew                               |
| MAP NUMBER     |                          | 61   | 62                         | 63   | 64                                  |
| NAME OF WELL   |                          | P. Ballers   | Nobel                      | F. Gerwell No. 1   | L. Newton                           |
| OPERATOR       |                          | Alden-Batavia Nat. Gas Co.                                     | Alden-Batavia Nat. Gas Co. | Alden-Aurora Nat. Gas Co.  |                                     |
| TOWNSHIP       |                          | Alden  | Alden                      | Alden  | Alden                               |
| LATITUDE       |                          | 2,650' South of 42° 55'  | 600' South of 42° 55'      | 1,250' South of 42° 55'  | 5,900' South of 42° 55'             |
| LONGITUDE      |                          | 2,500' East of 78° 35'   | 5,800' East of 78° 35'     | 4,950' West of 78° 30'   | 1,400' West of 78° 30'              |
| DATE COMPLETED |                          |  | 10/5/05                    |  | 1901                                |
| ELEVATION      |                          | 770' Topo.   | 790' Topo.                 | 840' Topo.   | 845' Topo.                          |
| TULLY          |                          |  |                            |  |                                     |
| ONONDAGA       |                          |  |                            | 165'-328'  |                                     |
| ORISKANY       |                          |  |                            |  |                                     |
| SALT ZONE      |                          |  |                            |  |                                     |
| LOCKPORT       |                          |  |                            | 785'-992'  |                                     |
| MEDINAN        | RED MEDINA (GRIMSBY)     | 1,089' —   | 1,081' —                   | 1,121'-1,196'  |                                     |
|                | WHITE MEDINA (WHIRLPOOL) |  |                            | 1,200'-1,241'  |                                     |
| QUEENSTON      |                          |  |                            | 1,241' —   |                                     |
| OSWEGO         |                          |  |                            |  |                                     |
| TRENTON        |                          |  |                            |  |                                     |
| POTSDAM        |                          |  |                            |  |                                     |
| PRECAMBRIAN    |                          |  |                            |  |                                     |
| TOTAL DEPTH    |                          | 1,197'   | 1,272'                     | 1,261'   | 1,314'                              |
| DEEPEST FM.    |                          | Queenston  | Queenston                  | Queenston  | Queenston                           |
| REMARKS        |                          | Gas at 1,181' & 1,198'.<br>I. O. F. 500 Mcf. I. R. P. 100 Lbs. | Gas at 1,181' & 1,195'.    | Clinton at 1,094'-1,114'.<br>Smoke at 850'.<br>Black water at 865'. Gas at 1,218'-1,241'.<br>I. O. F. 10 Mcf. a/s 220 Mcf. | I. O. F. 140 Mcf. I. R. P. 600 Lbs. |

| ERIE   | ERIE   | ERIE  | ERIE   | ERIE   |
|--|--|---|--|--|
| Depew  | Depew  | Depew   | Depew  | Depew  |
| 65   | 66   | 67  | 68   | 69   |
| W. Fisher  | E. Wagner  | D. Winter   | W. Aamus   | A. Fox<br>No. 1  |
| Akron Nat.<br>Gas Co.  |  |   | Akron Nat.<br>Gas Co.  | Akron Nat.<br>Gas Co.  |
| Alden  | Alden  | Alden   | Alden  | Alden  |
| 6,400' South<br>of 42° 55'   | 5,600' South<br>of 42° 55'                                 | 7,800' South<br>of 42° 55'                                | 12,900' South<br>of 42° 55'  | 12,700' North<br>of 42° 50'  |
| 11,400' East<br>of 78° 35'   | 6,800' West<br>of 78° 30'                                  | 5,100' East<br>of 78° 35'                                 | 5,750' East<br>of 78° 35'  | 4,800' East<br>of 78° 35'  |
| 4/25/12  | 3/23/01  | 1906  | 3/19/10  | 6/28/17  |
| 800' Topo.   | 845' Topo.   | 770' Topo.  | 760' Topo.   | 810' Topo.   |
|  |  |   |  |  |
| 59'-165'   |  |   | 258'—  | 322'-487'  |
|  |  |   |  |  |
|  |  |   |  |  |
| 634'-834'  |  |   | 883'-1,082'  | 956'-1,156'  |
| 971'—  | 1,157'—  |   | 1,193'—  | 1,254'-1,319'  |
| —1,085'  |  |   |  | 1,319'-1,366'  |
| 1,085'—  |  |   |  | 1,366'—  |
|  |  |   |  |  |
|  |  |   |  |  |
|  |  |   |  |  |
| 1,101'   | 1,301'   | N. R.   | 1,301'   | 1,431'   |
| Queenston  | Queenston  | N. R.   | Queenston  | Queenston  |
| Clinton at<br>940'-971'.<br>Smoke at 662'<br>& 780'.<br>Gas at 1,045',<br>1,055' & 1,078'.<br>I. O. F. 55 Mcf.<br>I. R. P. 525<br>Lbs. | Gas at 1,248',<br>1,256' & 1,277'.<br>I. O. F. 150<br>Mcf. | Top sand at<br>1,140'. Gas<br>at 1,251'.<br>P. & A. 1918. | Clinton at<br>1,164'-1,193'.<br>Gas at 1,283'<br>& 1,290'.<br>I. O. F. 1,000<br>Mcf. | Clinton at<br>1,224'-1,254'.<br>Gas at 1,348'.<br>I. O. F. 65 Mcf.<br>I. R. P. 305<br>Lbs. |

| COUNTY         |                                | ERIE   | ERIE   | ERIE                                      | ERIE  |
|----------------|--------------------------------|--|--|---|---|
| QUADRANGLE     |                                | Depew  | Depew  | Depew                                     | Depew   |
| MAP NUMBER     |                                | 70   | 71   | 72  | 73  |
| NAME OF WELL   |                                | S. Larkin<br>No. 1   | J. Nagel<br>No. 1  | J. Sax<br>No. 1                           | B. Reynolds<br>No. 1                                |
| OPERATOR       |                                | Akron Nat.<br>Gas Co.  | Iroquois<br>Gas Corp.  | Iroquois<br>Gas Corp.                     | Iroquois<br>Gas Corp.                               |
| TOWNSHIP       |                                | Alden  | West Seneca  | West Seneca                               | West Seneca   |
| LATITUDE       |                                | 15,000' North<br>of 42° 50'  | 1,500' North<br>of 42° 50'   | 1,400' South<br>of 42° 50'                | 3,900' South<br>of 42° 50'                          |
| LONGITUDE      |                                | 9,700' East<br>of 78° 35'  | 2,350' East<br>of 78° 45'  | 1,250' East<br>of 78° 45'                 | 100' East<br>of 78° 45'                             |
| DATE COMPLETED |                                | 9/4/17   | 4/25/98  | 1893                                      |   |
| ELEVATION      |                                | 845' Topo.   | 650' Topo.   | 635' Topo.                                | 675' Topo.  |
| TULLY          |                                |  |  |   |   |
| ONONDAGA       |                                | 320'-480'  | 170'-335'  | 185'-365'                                 | 280'—   |
| ORISKANY       |                                |  |  |   |   |
| SALT ZONE      |                                |  |  |   |   |
| LOCKPORT       |                                | 940'-1,140'  | 800'-1,050'  | 800'-1,063'                               |   |
| MEDINAN        | RED<br>MEDINA<br>(GRIMSBY)     | 1,270'-1,345'  | 1,073'-1,161'  | 1,090'-1,175'                             |   |
|                | WHITE<br>MEDINA<br>(WHIRLPOOL) | 1,345'-1,380'  | 1,161'-1,175'  | 1,175'-1,186'                             | 1,230'—   |
| QUEENSTON      |                                | 1,380'—  | 1,175'—  | 1,186'—                                   |   |
| OSWEGO         |                                |  |  |   |   |
| TRENTON        |                                |  |  |   |   |
| POTSDAM        |                                |  |  |   |   |
| PRECAMBRIAN    |                                |  |  |   |   |
| TOTAL DEPTH    |                                | 1,412'   | 1,177'   | 1,229'                                    | 1,620'  |
| DEEPEST FM.    |                                | Queenston  | Queenston  | Queenston                                 | Queenston   |
| REMARKS        |                                | Clinton at<br>1,240'-1,270'.<br>Gas at 1,340'.<br>I. O. F. 50 Mcf.<br>I. R. P. 450<br>Lbs. | Black water<br>at 855'.<br>Smoke and<br>black water<br>at 900'.<br>I. O. F. 300<br>Mcf. I. R. P.<br>600 Lbs. | I. O. F. 500<br>Mcf. I. R. P.<br>625 Lbs. | Gas at 1,175'.<br>I. R. P. 550<br>Lbs.<br>Producer. |



| ERIE                                      | ERIE  | ERIE                       | ERIE                        | ERIE   |
|---|---|----------------------------|-----------------------------|--|
| Depew                                     | Depew   | Depew                      | Depew                       | Depew  |
| 74  | 75  | 76                         | 77                          | 78   |
| Diehl Est.<br>No. 1                       | Mally<br>No. 1  | J. Nagel                   | W. Grotke<br>No. 1          | G. Cotton<br>No. 1   |
| Iroquois<br>Gas Corp.                     | Iroquois<br>Gas Corp.   | Iroquois<br>Gas Corp.      | Iroquois<br>Gas Corp.       |  |
| West Seneca                               | West Seneca   | West Seneca                | West Seneca                 | Elma   |
| 4,200' South<br>of 42° 50'                | 3,100' South<br>of 42° 50'                                    | 5,450' South<br>of 42° 50' | 10,200' South<br>of 42° 50' | 19,400' South<br>of 42° 55'  |
| 4,200' East<br>of 78° 45'                 | 5,900' East<br>of 78° 45'                                     | 150' East<br>of 78° 45'    | 2,250' East<br>of 78° 45'   | 6,000' West<br>of 78° 35'  |
| 1895                                      | 2/6/46  | 1/11/95                    | 11/4/94                     | 1915   |
| 725' Topo.                                | 705' Topo.  | 635' Topo.                 | 750' Topo.                  | 770'   |
|   |   |                            |                             |  |
|   | 255'-420'   | 240'-425'                  |                             | 264'-421'  |
|   |   |                            |                             |  |
|   |   |                            |                             |  |
|   | 840'-1,130'   | 800'-1,120'                |                             | 882'-1,082'  |
| 1,167'-1,259'                             | 1,158'-1,238'   | 1,148'-1,237'              |                             | 1,198'—  |
| 1,259'-1,271'                             | 1,249'-1,261'   | 1,237'-1,247'              | 1,357'-1,370'               | 1,306'—  |
| 1,271'—                                   | 1,261'—   | 1,247'—                    |                             |  |
|   |   |                            |                             |  |
|   |   |                            |                             |  |
|   |   |                            |                             |  |
| 1,330'                                    | 1,306'  | 1,300'                     | 1,414'                      | 1,385'   |
| Queenston                                 | Queenston   | Queenston                  | Queenston                   | Queenston  |
| I. O. F. 150<br>Mcf. I. R. P.<br>600 Lbs. | Gas at 1,176'.<br>I. O. F. 27,144<br>cf. I. R. P.<br>400 Lbs. | I. O. F. 65 Mcf.           | I. O. F. 125<br>Mcf.        | Clinton at<br>1,168'-1,198'.<br>Smoke at 938'.<br>Black water<br>at 958'. Gas<br>at 1,288'.<br>I. O. F. 105<br>Mcf. I. R. P.<br>400 Lbs. |

| COUNTY         |                          | ERIE                    | ERIE  | ERIE  | ERIE                      |
|----------------|--------------------------|-------------------------|---|---|---------------------------|
| QUADRANGLE     |                          | Depew                   | Depew   | Depew   | Depew                     |
| MAP NUMBER     |                          | 79                      | 80  | 81  | 82                        |
| NAME OF WELL   |                          |                         | Elma Deep Well                                  | E. More   |                           |
| OPERATOR       |                          |                         | J. Stearns                                      |   |                           |
| TOWNSHIP       |                          | Elma                    | Elma  | Elma  | Elma                      |
| LATITUDE       |                          | 7,700' North of 42° 50' | 5,900' North of 42° 50'                         | 5,800' South of 42° 50'   | 10,500' South of 42° 50'  |
| LONGITUDE      |                          | 4,500' East of 78° 40'  | 7,400' East of 78° 40'                          | 3,000' West of 78° 40'  | 8,300' East of 78° 40'    |
| DATE COMPLETED |                          |                         | 1903  | Before 1895   |                           |
| ELEVATION      |                          | 752' Topo.              | 725' Topo.                                      | 785' Topo.  | 945'                      |
| TULLY          |                          |                         |   |   |                           |
| ONONDAGA       |                          | 257' —                  | 225'—395'                                       | 435'—600'   | 600'—760'                 |
| ORISKANY       |                          |                         |   |   |                           |
| SALT ZONE      |                          |                         |   |   |                           |
| LOCKPORT       |                          |                         | 845'—1,025'                                     | 935' —  | 1,220'—1,420'             |
| MEDINAN        | RED MEDINA (GRIMSBY)     | 1,183' —                | 1,150'—1,265'                                   | 1,433' —  | 1,540'—1,605'             |
|                | WHITE MEDINA (WHIRLPOOL) |                         |   |   | 1,612'—1,645'             |
| QUEENSTON      |                          |                         |   | 1,460'—2,260'   | 1,645' —                  |
| OSWEGO         |                          |                         |   |   |                           |
| TRENTON        |                          |                         | 3,170'—3,910'                                   | 3,100? —  |                           |
| POTSDAM        |                          |                         | 3,910' —  |   |                           |
| PRECAMBRIAN    |                          |                         |   |   |                           |
| TOTAL DEPTH    |                          | N. R.                   | 3,986'  | 3,100'  | 1,651'                    |
| DEEPEST FM.    |                          | Queenston?              | Potsdam   | Trenton?  | Queenston                 |
| REMARKS        |                          | Producer.               | Black water at 945'. Gas at 1,900'. P. & A. **p | Fresh water at 47'. Sulphur gas at 1,100'. Sulphur water 1,165'. Gas sand at 1,436', 1,438'—1,460'. | Clinton at 1,506'—1,540'. |

| ERIE                        | ERIE                        | ERIE  | ERIE   | ERIE                              |
|-----------------------------|-----------------------------|---|--|-----------------------------------|
| Depew                       | Depew                       | Depew   | Depew  | Depew                             |
| 83                          | 84                          | 85  | 86   | 87                                |
|                             |                             | H. & M. Yates<br>No. 6                            | C. Hoppe   | F. Morris<br>No. 1                |
|                             |                             | Iroquois<br>Gas Corp.                             | Akron Nat.<br>Gas Co.  | Iroquois<br>Gas Corp.             |
| Elma                        | Elma                        | Orchard Park                                      | Marilla  | Marilla                           |
| 15,500' North<br>of 42° 45' | 13,200' North<br>of 42° 45' | 3,500' North<br>of 42° 45'                        | 11,200' North<br>of 42° 50'  | 2,300' South<br>of 42° 50'        |
| 5,000' West<br>of 78° 40'   | 8,000' West<br>of 78° 40'   | 12,700' East<br>of 78° 45'                        | 3,100' East<br>of 78° 35'  | 4,450' West<br>of 78° 30'         |
|                             |                             | 1/20/32   | 10/9/13  | 1/18/23                           |
| 823'                        | 900'                        | 905' Topo.  | 815' Topo.   | 1,005' Topo.                      |
|                             |                             |   |  |                                   |
| 495' —                      | 585' —                      | 661'—883'   | 320'—470'  | 615'—765'                         |
|                             |                             |   |  |                                   |
|                             |                             |   |  |                                   |
|                             |                             | 1,285'—1,560'                                     | 942'—1,142'  | 1,290'—1,550'                     |
| 1,400' —                    | 1,491' —                    | 1,584'—1,665'                                     | 1,257'—1,369'  | 1,580'—1,692'                     |
|                             |                             | 1,675'—1,695'                                     |  | N. P.                             |
|                             |                             | 1,695' —  |  |                                   |
|                             |                             |   |  |                                   |
|                             |                             |   |  |                                   |
|                             |                             |   |  |                                   |
| N. R.                       | N. R.                       | 1,707'  | 1,446'   | 1,713'                            |
| Queenston?                  | Queenston?                  | Queenston   | Queenston  | Queenston                         |
|                             |                             | Smoke and<br>black water<br>at 1,360'.<br>D. & A. | Clinton at<br>1,220' —.<br>Gas at 1,350'.<br>I. O. F. 150<br>Mcf. I. R. P.<br>100 Lbs. | Show gas at<br>1,685'.<br>D. & A. |

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TABLE I (Cont.)

| COUNTY         |                                | ERIE                        | ERIE                                 | ERIE                        | ERIE                        |
|----------------|--------------------------------|-----------------------------|--------------------------------------|-----------------------------|-----------------------------|
| QUADRANGLE     |                                | Depew                       | Depew                                | Depew                       | Depew                       |
| MAP NUMBER     |                                | 88                          | 89                                   | 90                          | 91                          |
| NAME OF WELL   |                                |                             | L. Kupp<br>No. 1                     |                             | E. Foss<br>No. 1            |
| OPERATOR       |                                |                             | Iroquois<br>Gas Corp.                |                             | Iroquois<br>Gas Corp.       |
| TOWNSHIP       |                                | Marilla                     | Marilla                              | Marilla                     | Marilla                     |
| LATITUDE       |                                | 11,000' South<br>of 42° 50' | 10,600' South<br>of 42° 50'          | 10,600' South<br>of 42° 50' | 13,250' South<br>of 42° 50' |
| LONGITUDE      |                                | 9,600' West<br>of 78° 30'   | 4,600' West<br>of 78° 30'            | 600' West<br>of 78° 30'     | 5,900' West<br>of 78° 30'   |
| DATE COMPLETED |                                |                             | 2/14/32                              |                             | 11/10/22                    |
| ELEVATION      |                                | 1,037'                      | 1,037'                               | 1,108'                      | 1,060' Topo.                |
| TULLY          |                                |                             |                                      |                             |                             |
| ONONDAGA       |                                | 735'—                       | 735'—895'                            | 802'—                       | 815'—969'                   |
| ORISKANY       |                                |                             |                                      |                             |                             |
| SALT ZONE      |                                |                             |                                      |                             |                             |
| LOCKPORT       |                                |                             | 1,360'—1,676'                        |                             | 1,470'—1,755'               |
| MEDINA         | RED<br>MEDINA<br>(GRIMSBY)     | 1,704'—                     | 1,704'—1,811'                        | 1,767'—                     | 1,785'—1,891'               |
|                | WHITE<br>MEDINA<br>(WHIRLPOOL) |                             | N. P.                                |                             | N. P.                       |
| QUEENSTON      |                                |                             | 1,811'—                              |                             | 1,891'—                     |
| OSWEGO         |                                |                             |                                      |                             |                             |
| TRENTON        |                                |                             |                                      |                             |                             |
| POTSDAM        |                                |                             |                                      |                             |                             |
| PRECAMBRIAN    |                                |                             |                                      |                             |                             |
| TOTAL DEPTH    |                                | N. R.                       | 1,819'                               | N. R.                       | 1,898'                      |
| DEEPEST FM.    |                                | Queenston                   | Queenston                            | N. R.                       | Queenston                   |
| REMARKS        |                                |                             | Black water<br>at 1,454'.<br>D. & A. |                             | D. & A.                     |



| ERIE                           | ERIE                                     | ERIE                               | ERIE                        | ERIE   |
|--------------------------------|--|------------------------------------|-----------------------------|--|
| Depew                          | Depew                                    | Depew                              | Depew                       | Depew  |
| 92                             | 93                                       | 94                                 | 95                          | 96   |
| W. Tomlinson<br>No. 1          | F. Marm<br>No. 1                         | H. Dabb<br>No. 1                   | S. Willett<br>No. 1         | C. Sparrer<br>No. 1                            |
| Iroquois<br>Gas Corp.          | Iroquois<br>Gas Corp.                    | Iroquois<br>Gas Corp.              | Iroquois<br>Gas Corp.       | Iroquois<br>Gas Corp.                          |
| Marilla                        | Marilla                                  | Marilla                            | Orchard Park                | Orchard Park                                   |
| 14,900' South<br>of 42° 50'    | 16,250' South<br>of 42° 50'              | 16,100' South<br>of 42° 50'        | 13,500' North<br>of 42° 45' | 19,500' North<br>of 42° 45'                    |
| 15,900' West<br>of 78° 30'     | 9,700' West<br>of 78° 30'                | 4,600' West<br>of 78° 30'          | 10,600' East<br>of 78° 45'  | 7,100' East<br>of 78° 45'                      |
| 2/17/23                        | 5/22/22                                  | 10/20/22                           | 8/1/38                      | 1/16/95  |
| 860' Topo.                     | 1,082'                                   | 1,100' Topo.                       | 851'                        | 805' Topo.                                     |
|                                |  |                                    |                             |  |
| 570'-720'                      | 810'-907'                                | 820'-978'                          |                             |  |
|                                |  |                                    |                             |  |
|                                |  |                                    |                             |  |
| 1,220'-1,493'                  | 1,425'-1,757'                            | 1,460'-1,763'                      |                             | 915'-1,325'                                    |
| 1,522'-1,629'                  | 1,789'-1,889'                            | 1,791'-1,896'                      |                             |  |
|                                |  |                                    |                             |  |
| N. P.                          | N. P.                                    | N. P.                              |                             | 1,423'-1,437'                                  |
| 1,629' —                       | 1,889' —                                 | 1,896' —                           |                             | 1,437' —                                       |
|                                |  |                                    |                             |  |
|                                |  |                                    |                             |  |
|                                |  |                                    |                             |  |
|                                |  |                                    |                             |  |
|                                |  |                                    |                             |  |
| 1,647'                         | 1,898'                                   | 1,904'                             | 1,562'                      | 1,457'   |
| Queenston                      | Queenston                                | Queenston                          | Queenston                   | Queenston                                      |
| Smoke at<br>1,295'.<br>D. & A. | Show gas at<br>1,876'-1,878'.<br>D. & A. | Gas at 1,873'.<br>I. O. F. 40 Mcf. | I. O. F. 250<br>Mcf.        | Black water<br>at 1,150'.<br>I. O. F. 450 Mcf. |

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TABLE I (Cont.)

| COUNTY         |                                | ERIE  | ERIE   | ERIE                              | ERIE                        |
|----------------|--------------------------------|---|--|-----------------------------------|-----------------------------|
| QUADRANGLE     |                                | Depew   | Depew  | Depew                             | Depew                       |
| MAP NUMBER     |                                | 97  | 98   | 99                                | 100                         |
| NAME OF WELL   |                                | P. Buerger<br>No. 1   | L. Deenfreund<br>No. 1   | A. Haas<br>No. 1                  | H. Bullis<br>No. 1          |
| OPERATOR       |                                | Harvest<br>Purchase   | Harvest<br>Purchase  | Iroquois<br>Gas Corp.             | Iroquois<br>Gas Corp.       |
| TOWNSHIP       |                                | Orchard Park  | Orchard Park   | Orchard Park                      | Orchard Park                |
| LATITUDE       |                                | 17,500' North<br>of 42° 45'   | 18,300' North<br>of 42° 45'  | 17,400' North<br>of 42° 45'       | 13,600' North<br>of 42° 45' |
| LONGITUDE      |                                | 2,000' East<br>of 78° 45'   | 4,700' East<br>of 78° 45'  | 12,200' East<br>of 78° 45'        | 5,700' East<br>of 78° 45'   |
| DATE COMPLETED |                                | 10/25/12  | 11/6/14  | 3/16/18                           | 10/3/98                     |
| ELEVATION      |                                | 785' Topo.  | 780' Topo.   | 855' Topo.                        | 795' Topo.                  |
| TULLY          |                                |   |  |                                   |                             |
| ONONDAGA       |                                |   |  | 475'-635'                         |                             |
| ORISKANY       |                                |   |  |                                   |                             |
| SALT ZONE      |                                |   |  |                                   |                             |
| LOCKPORT       |                                |   |  | 1,085'-1,355'                     |                             |
| MEDINAN        | RED<br>MEDINA<br>(GRIMSBY)     |   |  | 1,377'-1,457'                     |                             |
|                | WHITE<br>MEDINA<br>(WHIRLPOOL) | 1,402'-1,421'   |  | 1,465'-1,490'                     |                             |
| QUEENSTON      |                                | 1,421' -  |  | 1,490' -                          |                             |
| OSWEGO         |                                |   |  |                                   |                             |
| TRENTON        |                                |   |  |                                   |                             |
| POTSDAM        |                                |   |  |                                   |                             |
| PRECAMBRIAN    |                                |   |  |                                   |                             |
| TOTAL DEPTH    |                                | 1,882'  | 1,874'   | 1,501'                            | 1,535'                      |
| DEEPEST FM.    |                                | Queenston   | Queenston  | Queenston                         | Queenston                   |
| REMARKS        |                                | Gas at 1,407',<br>1,530' & 1,592'.<br>I. O. F. 400<br>Mcf. I. R. P.<br>600 Lbs. | Gas at<br>1,358'-1,382'<br>in Medina.<br>I. O. F. 150<br>Mcf. I. R. P.<br>600 Lbs. | Show gas at<br>1,480'.<br>D. & A. | I. O. F. 75 Mcf.            |

TABLE I (Cont.)

| ERIE   | ERIE                       | ERIE   | ERIE                       | ERIE                               |
|--|----------------------------|--|----------------------------|------------------------------------|
| Depew  | Depew                      | Depew  | Depew                      | Depew                              |
| 101  | 102                        | 103  | 104                        | 105                                |
| H. Day<br>No. 1  | J. Freeman<br>No. 1        | E. Baker<br>No. 1                              | H. Clark<br>No. 1          | D. Souzzi<br>No. 1                 |
| Iroquois<br>Gas Corp.  | Iroquois<br>Gas Corp.      | Iroquois<br>Gas Corp.                          | Iroquois<br>Gas Corp.      | D. Souzzi                          |
| Orchard Park   | Orchard Park               | Orchard Park                                   | Orchard Park               | Aurora                             |
| 4,600' North<br>of 42° 45'   | 6,650' North<br>of 42° 45' | 7,800' North<br>of 42° 45'                     | 4,800' North<br>of 42° 45' | 700' North<br>of 42° 45'           |
| 25' East<br>of 78° 45'   | 1,800' East<br>of 78° 45'  | 6,000' East<br>of 78° 45'                      | 2,900' East<br>of 78° 45'  | 13,800' West<br>of 78° 35'         |
| 5/2/12   | 11/10/12                   | 12/6/12  | 8/10/12                    | 10/9/54                            |
| 855' Topo.   | 865' Topo.                 | 885' Topo.                                     | 860' Topo.                 | 990' Topo.                         |
|  |                            |  |                            |                                    |
| 587'–750'  |                            | 594'–741'                                      |                            | 865'–1,024'                        |
|  |                            |  |                            |                                    |
|  |                            |  |                            |                                    |
| 1,190'–1,473'  |                            | 1,205'–1,480'                                  | –1,506'                    |                                    |
| 1,491'–1,573'  |                            | 1,500'–1,583'                                  |                            |                                    |
|  |                            |  |                            |                                    |
| 1,585' –   |                            | 1,602'–1,624'                                  | 1,615' –                   |                                    |
|  |                            | 1,624' –                                       |                            |                                    |
|  |                            |  |                            |                                    |
|  |                            |  |                            |                                    |
|  |                            |  |                            |                                    |
|  |                            |  |                            |                                    |
|  |                            |  |                            |                                    |
| 1,600'   | 1,612'                     | 1,679'   | 1,631'                     | 1,024'                             |
| Queenston  | N. R.                      | Queenston                                      | Queenston                  | Onondaga                           |
| Black water<br>at 1,288'.<br>Gas at 1,590'<br>& 1,595'.<br>I. O. F. 5,252<br>Mcf. I. R. P.<br>600 Lbs. | I. O. F. 7,000<br>Mcf.     | I. O. F.<br>53,280 cf.<br>I. R. P. 495<br>Lbs. | I. O. F. 2,000<br>Mcf.     | Gas at 1,020'.<br>I. O. F. 48 Mcf. |

| COUNTY         |                                | ERIE                                 | ERIE  | ERIE                           | ERIE   |
|----------------|--------------------------------|--------------------------------------|---|--------------------------------|--|
| QUADRANGLE     |                                | Depew                                | Depew   | Depew                          | Depew  |
| MAP NUMBER     |                                | 106                                  | 107   | 108                            | 109  |
| NAME OF WELL   |                                | J. Bosko<br>No. 1                    | W. Foss<br>No. 1                                  | Bloecher<br>No. 1              | L. Foss<br>No. 1   |
| OPERATOR       |                                | Iroquois<br>Gas Corp.                | Iroquois<br>Gas Corp.                             | Iroquois<br>Gas Corp.          | Iroquois<br>Gas Corp.  |
| TOWNSHIP       |                                | Aurora                               | Wales   | Wales                          | Wales  |
| LATITUDE       |                                | 2,100' North<br>of 42° 45'           | 9,800' North<br>of 42° 45'                        | 8,700' North<br>of 42° 45'     | 10,000' North<br>of 42° 45'  |
| LONGITUDE      |                                | 1,300' West<br>of 78° 35'            | 18,500' West<br>of 78° 30'                        | 13,700' West<br>of 78° 30'     | 4,600' West<br>of 78° 30'  |
| DATE COMPLETED |                                | 10/19/53                             | 11/24/53  | 1/5/18                         | 12/29/51   |
| ELEVATION      |                                | 1,125' Topo.                         | 995' Topo.  | 1,025' Topo.                   | 1,030' Topo.   |
| TULLY          |                                |                                      |   |                                |  |
| ONONDAGA       |                                | 930'-1,085'                          | 825'-990'   | 700'-865'                      | 852'-1,016'  |
| ORISKANY       |                                |                                      |   |                                |  |
| SALT ZONE      |                                |                                      |   |                                |  |
| LOCKPORT       |                                | 1,575'-1,858'                        | 1,480'-1,740'                                     | 1,340'-1,625'                  | 1,518'-1,799'  |
| MEDINAN        | RED<br>MEDINA<br>(GRIMSBY)     | 1,886'-2,001'                        |   | 1,662'-1,752'                  | 1,830'-1,932'  |
|                | WHITE<br>MEDINA<br>(WHIRLPOOL) |                                      | 1,773'-1,881'                                     |                                |  |
| QUEENSTON      |                                |                                      | 1,881' —  |                                |  |
| OSWEGO         |                                |                                      |   |                                |  |
| TRENTON        |                                |                                      |   |                                |  |
| POTSDAM        |                                |                                      |   |                                |  |
| PRECAMBRIAN    |                                |                                      |   |                                |  |
| TOTAL DEPTH    |                                | 2,026'                               | 1,911'  | 1,816'                         | 1,957'   |
| DEEPEST FM.    |                                | Queenston                            | Queenston   | Queenston                      | Queenston  |
| REMARKS        |                                | Black water<br>at 1,694'.<br>D. & A. | Smoke and<br>black water<br>at 1,587'.<br>D. & A. | Smoke at<br>1,460'.<br>D. & A. | Smoke and<br>black water<br>at 1,565'.<br>Gas at 1,895'.<br>I. O. F. 5 Mcf.<br>D. & A. |



| ERIE   | ERIE                       | ERIE  | ERIE   | ERIE                                     |
|--|----------------------------|---|--|--|
| Depew  | Depew                      | Depew   | Depew  | Depew                                    |
| 110  | 111                        | 112   | 113  | 114                                      |
| C. Blood<br>No. 1                                    | D. Penfold<br>No. 1        | W. Foss<br>No. 2                                  | Campfire<br>Girls Inc.   | E. & A. Foss<br>No. 1                    |
| Iroquois<br>Gas Corp.                                | Iroquois<br>Gas Corp.      | Iroquois<br>Gas Corp.                             | Iroquois<br>Gas Corp.  | Iroquois<br>Gas Corp.                    |
| Wales  | Wales                      | Wales   | Wales  | Wales                                    |
| 11,100' North<br>of 42° 45'                          | 5,900' North<br>of 42° 45' | 6,500' North<br>of 42° 45'                        | 3,900' North<br>of 42° 45'   | 1,300' North<br>of 42° 45'               |
| 1,100' West<br>of 78° 30'                            | 15,500' West<br>of 78° 30' | 10,100' West<br>of 78° 30'                        | 600' West<br>of 78° 30'  | 18,400' West<br>of 78° 30'               |
| 9/11/22  | 2/9/52                     | 5/8/52  | 11/8/50  | 3/20/52                                  |
| 1,190' Topo.   | 1,085' Topo.               | 1,005' Topo.                                      | 980' Topo.   | 1,200' Topo.                             |
|  |                            |   |  |  |
| 840'-993'  | 910'-1,065'                | 805'-962'   | 850'-1,018'  | 991'-1,151'                              |
|  |                            |   |  |  |
|  |                            |   | 1,410' —   |  |
| 1,470'-1,817'  | 1,575'-1,830'              | 1,460'-1,742'                                     | 1,460'-1,855'  | 1,640'-1,920'                            |
| 1,848'-1,956'  | 1,863'-1,986'              | 1,767'-1,872'                                     | 1,884'-1,980'  | 1,944'-2,054'                            |
| N. P.  |                            |   |  |  |
|  |                            |   |  |  |
|  |                            |   |  |  |
|  |                            |   |  |  |
|  |                            |   |  |  |
|  |                            |   |  |  |
| 1,966'   | 2,001'                     | 1,902'  | 2,032'   | 2,084'                                   |
| Queenston  | Queenston                  | Queenston   | Queenston  | Queenston                                |
| Show of gas<br>at 2,000 cf.<br>in Medina.<br>D. & A. | D. & A.                    | Smoke and<br>black water<br>at 1,530'.<br>D. & A. | Smoke at 1,647'.<br>Show gas at<br>370', 520',<br>555', 840' &<br>859'.<br>D. & A. | Show gas at<br>530' & 1,150'.<br>D. & A. |

## NEW YORK

TABLE I (Cont.)

| COUNTY         |                          | ERIE   | ERIE   | ERIE  | ERIE   |
|----------------|--------------------------|--|--|---|--|
| QUADRANGLE     |                          | Depew  | Depew  | Depew   | Buffalo  |
| MAP NUMBER     |                          | 115  | 116  | 117   | 1  |
| NAME OF WELL   |                          | C. Webster   | Fee No. 1  | L. High   |  |
| OPERATOR       |                          | Alden-Batavia Nat. Gas Co.   | Chet Kabel   | Akron Natural Gas Co.   | Linde Air Products   |
| TOWNSHIP       |                          | Alden  | Orchard Park   | Marilla   | Tonawanda  |
| LATITUDE       |                          | 5,500' South of 42° 55'  | 9,500' North of 42° 45'  | 11,200' North of 42° 50'  | 9,600' North of 42° 55'                                      |
| LONGITUDE      |                          | 1,800' East of 78° 35'   | 14,000' West of 78° 40'  | 1,500' East of 78° 35'  | 7,400' West of 78° 50'                                       |
| DATE COMPLETED |                          | 7/1903   | 1947   | 8/1/09  |  |
| ELEVATION      |                          | 750' Topo.   | 845' Topo.   | 810' Topo.  | 640'   |
| TULLY          |                          |  |  |   |  |
| ONONDAGA       |                          |  | 550' —   | 265'–465'   |  |
| ORISKANY       |                          |  |  |   |  |
| SALT ZONE      |                          |  |  |   |  |
| LOCKPORT       |                          |  | 1,150'–1,360'  | 920'–1,120'   | 312'–515'  |
| MEDINAN        | RED MEDINA (GRIMSBY)     | 1,087' —   | 1,460'–1,544'  | 1,244' —  |  |
|                | WHITE MEDINA (WHIRLPOOL) |  | 1,552'–1,580'  |   |  |
| QUEENSTON      |                          |  |  |   | 730' —   |
| OSWEGO         |                          |  |  |   | 1,630'–1,675'  |
| TRENTON        |                          |  |  |   | 2,525' —   |
| POTSDAM        |                          |  |  |   |  |
| PRECAMBRIAN    |                          |  |  |   |  |
| TOTAL DEPTH    |                          | 1,236'   | 2,538'   | 1,335'  | 3,275'   |
| DEEPEST FM.    |                          | Queenston  | N. R.  | Queenston   | Trenton?   |
| REMARKS        |                          | 1st gas at 1,175'. 2nd gas at 1,185'. I. O. F. 450 Mcf. I. R. P. 500 Lbs. Well cleaned out and repaired in 1930. | Clinton at 1,440'–1,460'. Gas at 1,575', 2,148', 2,198' & 2,428'. Smoke at 1,240'. Black water at 1,250'. ** | Clinton at 1,210'–1,241'. I. O. F. 11,200 Mcf. I. R. P. 540 Lbs. 1st gas at 1,330'. Deepened to 1,400' in 1911. | Water at 200'–300' & 312'. Black water at 325'. Gas at 704'. |

| ERIE  | ERIE   | ERIE  | ERIE  | ERIE   |
|---|--|---|---|--|
| Buffalo   | Buffalo                                      | Buffalo   | Buffalo   | Buffalo  |
| 2   | 3  | 4   | 5   | 6  |
| Kennalworth Race Track  |  | J. Guinther   | E. Fries  | N. Becker  |
| N. Buffalo Gas Co.  |  | N. Buffalo Gas Co.  |   |  |
| Tonawanda   | Tonawanda                                    | Tonawanda   | Tonawanda   | Tonawanda  |
| 4,100' South of 43° 00'   | 700' South of 43° 00'                        | 400' South of 43° 00'   | 2,400' South of 43° 00'   | 6,800' South of 43° 00'  |
| 11,500' West of 78° 50'   | 6,700' West of 78° 50'                       | 650' East of 78° 50'  | 1,300' East of 78° 50'  | 1,350' East of 78° 50'   |
| 9/8/15  |  | 5/2/19  | 4/3/18  | 5/9/17   |
| 605' Topo.  | 580' Topo.                                   | 570' Topo.  | 575' Topo.  | 590' Topo.   |
|   |  |   |   |  |
|   |  |   |   |  |
|   |  |   |   |  |
|   |  |   |   |  |
| 325'-525'   | 225'-450'                                    | 255'-455'   | 274'-474'   | 310'-510'  |
| 635'—   | 559'-622'                                    | 554'-634'   | 579'-648'   | 616'-680'  |
| 743'—   | 622'-634'                                    | 650'-670'   | 657'-682'   | 690'-718'  |
|   | 662'—  | 670'—   | 682'—   | 718'—  |
|   |  |   |   |  |
|   |  |   |   |  |
|   |  |   |   |  |
|   |  |   |   |  |
| N. R.   | 698'   | 670'  | 685'  | 720'   |
| Queenston   | Queenston                                    | Queenston   | Queenston   | Queenston  |
| Clinton at 600'-628'. Smoke at 400'. Black water at 475'. Gas at 615' & 690'. Producer. | Clinton at 522'-559'. Gas at 530'. Producer. | Clinton at 532'-554'. Gas at 535'. I. O. F. 30 Mcf. I. R. P. 300 Lbs. | Clinton at 549'-579'. Gas at 551'. I. O. F. 28 Mcf. I. R. P. 310 Lbs. | Clinton at 585'-616'. Gas at 587'-601'. I. O. F. 24 Mcf. I. R. P. 340 Lbs. |

## NEW YORK

TABLE I (Cont.)

| COUNTY         |                          | ERIE  | ERIE   | ERIE   | ERIE   |
|----------------|--------------------------|---|--|--|--|
| QUADRANGLE     |                          | Buffalo   | Buffalo  | Buffalo  | Buffalo  |
| MAP NUMBER     |                          | 7   | 8  | 9  | 10   |
| NAME OF WELL   |                          | Company Lots No. 1  | P. Ensimer No. 1   | L. V. Scott No. 2  | N. Becker No. 2                                |
| OPERATOR       |                          | N. Buffalo Gas Co.  | Republic   | N. Buffalo Gas Co.   |  |
| TOWNSHIP       |                          | Tonawanda   | Tonawanda  | Tonawanda  | Amherst  |
| LATITUDE       |                          | 4,900' South of 43° 00'   | 1,900' South of 43° 00'  | 3,900' South of 43° 00'  | 6,500' South of 43° 00'                        |
| LONGITUDE      |                          | 2,700' West of 78° 50'  | 4,100' West of 78° 50'   | 800' West of 78° 50'   | 3,100' East of 78° 50'                         |
| DATE COMPLETED |                          | 10/16/16  | 3/27/22  | 7/13/16  | 1916   |
| ELEVATION      |                          | 585' Topo.  | 585' Topo.   | 585' Topo.   | 590' Topo.                                     |
| TULLY          |                          |   |  |  |  |
| ONONDAGA       |                          |   |  |  |  |
| ORISKANY       |                          |   |  |  |  |
| SALT ZONE      |                          |   |  |  |  |
| LOCKPORT       |                          | 290'-490'   | 250'-450'  | 303'-502'  | -510'  |
| MEDINAN        | RED MEDINA (GRIMSBY)     | 607'-672'   | 618'-635'  | 595'-700'  | 620'-692'                                      |
|                | WHITE MEDINA (WHIRLPOOL) | 683'-714'   | 667'-704'  |  | 703'-726'                                      |
| QUEENSTON      |                          | 714'—   | 704'—  |  | 726'—  |
| OSWEGO         |                          |   |  |  |  |
| TRENTON        |                          |   |  |  |  |
| POTSDAM        |                          |   |  |  |  |
| PRECAMBRIAN    |                          |   |  |  |  |
| TOTAL DEPTH    |                          | 721'  | 704'   | N. R.  | 781'   |
| DEEPEST FM.    |                          | Queenston   | Queenston  | Queenston  | Queenston                                      |
| REMARKS        |                          | Clinton at 572'-607'. Smoke at 350'. Black water at 475'. Gas at 577'. I. O. F. 23 Mcf. I. R. P. 340 Lbs. | Clinton at 522'-618'. Gas at 527' & 567'. I. O. F. 60 Mcf. I. R. P. 265 Lbs. | Clinton at 560'-595'. Black water at 470'. Gas at 570'. I. O. F. 43 Mcf. I. R. P. 340 Lbs. | Clinton at 590'. Gas at 592' & 703'. Producer. |



| ERIE                                       | ERIE                          | ERIE                     | ERIE   | ERIE                     |
|--|-------------------------------|--------------------------|--|--------------------------|
| Buffalo                                    | Buffalo                       | Buffalo                  | Buffalo  | Buffalo                  |
| 11   | 12                            | 13                       | 14   | 15                       |
|  | Fogelsonger's Quarry          | Fee No. 2                | City Hospital Grounds No. 1                          | Well in South Park       |
|  |                               | Buffalo Cement Co.       | City of Buffalo                                      |                          |
| Amherst                                    | Amherst                       | Buffalo                  | Buffalo  | Buffalo                  |
| 8,200' South of 43° 00'                    | 13,900' South of 43° 00' Est. | 11,600' North of 42° 55' | 4,000' North of 42° 55'                              | 12,000' North of 42° 50' |
| 3,600' East of 78° 50'                     | 5,800' West of 78° 45' Est.   | 800' East of 78° 50'     | 200' East of 78° 50'                                 | 14,100' West of 78° 45'  |
|  |                               | 1897                     | 1924   | 1895                     |
| 595' Topo.                                 | 650'                          | 643'                     | 680'   | 585' Topo.               |
|  |                               |                          |  |                          |
|  |                               |                          |  | 322'(?)—                 |
|  |                               |                          |  |                          |
|  |                               |                          |  |                          |
| 305'—507'                                  | 450'—680'                     | 376'—                    |  |                          |
| 635'—715'                                  | 785'—                         |                          | 805'—  | 1,052'—                  |
| 715'—737'                                  |                               |                          |  |                          |
| 737'—                                      |                               |                          |  |                          |
|  |                               |                          |  |                          |
|  |                               |                          | 2,600'—  | 2,960'—                  |
|  |                               |                          |  |                          |
|  |                               |                          |  |                          |
| 740'                                       | Below 890'                    | 1,305'                   | 3,420'   | 3,288'                   |
| Queenston                                  | Queenston                     | Queenston                | Trenton  | Trenton                  |
| Clinton at 605'—635'. Gas at 607'. D. & A. | D. & A.                       | Producer.                | Gas at 3,412'. I. O. F. 700 Mcf. I. R. P. 1,120 Lbs. | Gas at 1,152'. Producer. |

TABLE I (Cont.)

| COUNTY         |                                | ERIE                       | ERIE  | ERIE                       | ERIE                       |
|----------------|--------------------------------|----------------------------|---|----------------------------|----------------------------|
| QUADRANGLE     |                                | Buffalo                    | Buffalo   | Buffalo                    | Buffalo                    |
| MAP NUMBER     |                                | 16                         | 17  | 18                         | 19                         |
| NAME OF WELL   |                                | Air Port<br>Grounds No. 8  | Union Garage<br>No. 1   | R. Reed<br>No. 1           | A. Lockwood<br>No. 1       |
| OPERATOR       |                                |                            | D. Souzzi   | Iroquois<br>Gas Corp.      | Iroquois<br>Gas Corp.      |
| TOWNSHIP       |                                | Cheektowaga                | Cheektowaga   | City of Lackawanna         | City of Lackawanna         |
| LATITUDE       |                                | 1,900' North<br>of 42° 55' | 11,600' South<br>of 42° 55'   | 3,000' South<br>of 42° 50' | 1,850' South<br>of 42° 50' |
| LONGITUDE      |                                | 11,100' West<br>of 78° 45' | 1,600' West<br>of 78° 45'   | 2,000' East<br>of 78° 50'  | 3,450' East<br>of 78° 50'  |
| DATE COMPLETED |                                |                            | 9/1954  | 1895                       | 1895                       |
| ELEVATION      |                                | 660' Topo.                 | 608' Topo.  | 620' Topo.                 | 615' Topo.                 |
| TULLY          |                                |                            |   |                            |                            |
| ONONDAGA       |                                | 61'-161'                   | 32'-196'  |                            |                            |
| ORISKANY       |                                |                            |   |                            |                            |
| SALT ZONE      |                                |                            |   |                            |                            |
| LOCKPORT       |                                | 558'-750'                  | 615'-824'   |                            |                            |
| MEDINAN        | RED<br>MEDINA<br>(GRIMSBY)     | 892'-970'                  | 930'-1,018'   |                            |                            |
|                | WHITE<br>MEDINA<br>(WHIRLPOOL) | 979'-1,006'                | 1,018'-1,028'   |                            |                            |
| QUEENSTON      |                                | 1,006' -                   | 1,028' -  |                            |                            |
| OSWEGO         |                                |                            |   |                            |                            |
| TRENTON        |                                |                            | 2,824'-3,635'   |                            |                            |
| POTSDAM        |                                |                            | 3,635' -  |                            |                            |
| PRECAMBRIAN    |                                |                            |   |                            |                            |
| TOTAL DEPTH    |                                | N. R.                      | 3,660'  | 1,150' Est.                | 1,150'                     |
| DEEPEST FM.    |                                | Queenston                  | Potsdam?  | Queenston?                 | Queenston?                 |
| REMARKS        |                                | Clinton at<br>862'-884'.   | Clinton at<br>905'-930'.<br>Salt water<br>3,653'. I. O. F.<br>18 Mcf. a/s.<br>I. R. P. 330<br>Lbs. Plugged<br>back to 1,028'. | Producer.                  | Producer.                  |

| ERIE                                      | ERIE   | ERIE   | ERIE                       | ERIE   |
|---|--|--|----------------------------|--|
| Buffalo                                   | Buffalo  | Buffalo  | Buffalo                    | Buffalo  |
| 20  | 21   | 22   | 23                         | 24   |
| J. Vogel<br>No. 1                         | F. Ehinger<br>No. 1  | W. P. Roth<br>No. 1  | R. Ewald<br>No. 1          | J. T. Clarls<br>No. 1  |
| Iroquois<br>Gas Corp.                     | Iroquois<br>Gas Corp.  | Iroquois<br>Gas Corp.  | Iroquois<br>Gas Corp.      | Iroquois<br>Gas Corp.  |
| West Seneca                               | West Seneca  | West Seneca  | West Seneca                | West Seneca  |
| 400' South<br>of 42° 50'                  | 1,200' North<br>of 42° 50'                                   | 2,400' South<br>of 42° 50'                                     | 2,750' South<br>of 42° 50' | 5,700' South<br>of 42° 50'                                     |
| 3,450' West<br>of 78° 45'                 | 600' West<br>of 78° 45'                                      | 6,900' West<br>of 78° 45'                                      | 600' West<br>of 78° 45'    | 8,300' West<br>of 78° 45'                                      |
| 1/12/04                                   | 10/6/01  | 10/15/92   | 5/25/94                    | 12/7/93  |
| 663'                                      | 635' Topo.   | 610' Topo.   | 660' Topo.                 | 640' Topo.   |
|   |  |  |                            |  |
| 200'–365'                                 | 135'–350'  | 182'–362'  |                            | 190'–365'  |
|   |  |  |                            |  |
|   |  |  |                            |  |
| 850'–1,060'                               | 830'–1,060'  | 755'–1,055'  |                            | 740'–1,052'  |
| 1,085'–1,188'                             | 1,087'–1,175'  | 1,079'–1,160'  |                            | 1,075'–1,171'  |
| 1,188'–1,204'                             | 1,175'–1,186'  | 1,160'–1,179'  | 1,206'–1,213'              | 1,171'–1,185'  |
| 1,204' –                                  | 1,186' –   | 1,179' –   | 1,213' –                   | 1,185' –   |
|   |  |  |                            |  |
|   |  |  |                            |  |
|   |  |  |                            |  |
|   |  |  |                            |  |
| 1,255'                                    | 1,210'   | 1,232'   | 1,243'                     | 1,189'   |
| Queenston                                 | Queenston  | Queenston  | Queenston                  | Queenston  |
| I. O. F. 800 Mcf.<br>I. R. P. 330<br>Lbs. | Smoke and<br>black water<br>at 895'.<br>I. O. F. 600<br>Mcf. | Gas at 1,097'.<br>I. O. F. 1,250'<br>Mcf. I. R. P.<br>625 Lbs. | I. O. F. 150<br>Mcf.       | Smoke at 841'.<br>Water at 856'<br>& 880'.<br>I. O. F. 75 Mcf. |

| COUNTY         |                                | ERIE                       | ERIE                                      | ERIE   | ERIE                       |
|----------------|--------------------------------|----------------------------|---|--|----------------------------|
| QUADRANGLE     |                                | Buffalo                    | Buffalo                                   | Buffalo  | Buffalo                    |
| MAP NUMBER     |                                | 25                         | 26  | 27   | 28                         |
| NAME OF WELL   |                                | J. Roth<br>No. 2           | H. Metzler<br>No. 1                       | J. Brossman et al.<br>No. 1                                  | W. C. Schaffer<br>No. 1    |
| OPERATOR       |                                | Iroquois<br>Gas Corp.      | Iroquois<br>Gas Corp.                     |  | Iroquois<br>Gas Corp.      |
| TOWNSHIP       |                                | West Seneca                | West Seneca                               | West Seneca  | West Seneca                |
| LATITUDE       |                                | 6,300' South<br>of 42° 50' | 6,850' South<br>of 42° 50'                | 8,300' South<br>of 42° 50'                                   | 8,250' South<br>of 42° 50' |
| LONGITUDE      |                                | 4,700' West<br>of 78° 45'  | 3,000' West<br>of 78° 45'                 | 10,800' East<br>of 78° 50'                                   | 7,600' West<br>of 78° 45'  |
| DATE COMPLETED |                                | 6/1894                     | 9/10/94                                   | 9/24/02  | 4/14/94                    |
| ELEVATION      |                                | 655' Topo.                 | 670' Topo.                                | 635' Topo.   | 680' Topo.                 |
| TULLY          |                                |                            |   |  |                            |
| ONONDAGA       |                                |                            | 280'-462'                                 | 200'-370'  |                            |
| ORISKANY       |                                |                            |   |  |                            |
| SALT ZONE      |                                |                            |   |  |                            |
| LOCKPORT       |                                |                            | 805'-1,255'                               | 810'-1,070'  |                            |
| MEDINAN        | RED<br>MEDINA<br>(GRIMSBY)     |                            | 1,267'-1,279'                             | 1,100'-1,202'  |                            |
|                | WHITE<br>MEDINA<br>(WHIRLPOOL) |                            |   | 1,202'-1,218'  | 1,226'-1,239'              |
| QUEENSTON      |                                |                            |   | 1,218'—  | 1,239'—                    |
| OSWEGO         |                                |                            |   |  |                            |
| TRENTON        |                                |                            |   |  |                            |
| POTSDAM        |                                |                            |   |  |                            |
| PRECAMBRIAN    |                                |                            |   |  |                            |
| TOTAL DEPTH    |                                | 1,221'                     | 1,341'                                    | 1,261'   | 1,269'                     |
| DEEPEST FM.    |                                | Queenston                  | Queenston                                 | Queenston  | Queenston                  |
| REMARKS        |                                |                            | I. O. F. 500<br>Mcf. I. R. P.<br>200 Lbs. | Smoke and<br>black water<br>at 900'.<br>I. O. F. 200<br>Mcf. | I. O. F. 150<br>Mcf.       |



| ERIE                                      | ERIE                                      | ERIE   | ERIE                        | ERIE  |
|---|---|--|-----------------------------|---|
| Buffalo                                   | Buffalo                                   | Buffalo  | Buffalo                     | Buffalo   |
| 29  | 30  | 31   | 32                          | 33  |
| L. Berg<br>No. 1                          | H. Eisenhut<br>No. 1                      | Wm. Breitkruz<br>No. 1   | D. Waller et al.<br>No. 2   | Burke et al.<br>No. 1   |
| Iroquois<br>Gas Corp.                     | Iroquois<br>Gas Corp.                     | Iroquois<br>Gas Corp.  | Iroquois<br>Gas Corp.       | Iroquois<br>Gas Corp.   |
| West Seneca                               | West Seneca                               | West Seneca  | Hamburg                     | Hamburg   |
| 8,700' South<br>of 42° 50'                | 10,600' South<br>of 42° 50'               | 10,200' South<br>of 42° 50'  | 11,600' North<br>of 42° 45' | 10,150' North<br>of 42° 45'   |
| 5,200' West<br>of 78° 45'                 | 7,000' West<br>of 78° 45'                 | 1,000' West<br>of 78° 45'  | 4,750' East<br>of 78° 50'   | 7,250' East<br>of 78° 50'   |
| 12/28/07                                  | 2/14/95                                   | 7/6/07   | 1908                        | 1908  |
| 690' Topo.                                | 685' Topo.                                | 705' Topo.   | 675' Topo.                  | 725' Topo.  |
|   |   |  |                             |   |
| 260'-435'                                 |   | 330'-515'  |                             | 323'-578'   |
|   |   |  |                             |   |
|   |   |  |                             |   |
| 890'-1,150'                               |   | 940'-1,210'  |                             | 946'-1,226'   |
| 1,170'-1,257'                             |   | 1,230'-1,335'  | 1,238'-1,325'               | 1,246'-1,319'   |
| 1,257'-1,263'                             |   | 1,335'-1,347'  | 1,325'-1,342'               | 1,339'-1,357'   |
| 1,263' —                                  |   | 1,347' —   | 1,342' —                    | 1,357' —  |
|   |   |  |                             |   |
|   |   |  |                             |   |
|   |   |  |                             |   |
|   |   |  |                             |   |
| 1,356'                                    | 1,348'                                    | 1,452'   | 1,372'                      | 1,453'  |
| Queenston                                 | Queenston                                 | Queenston  | Queenston                   | Queenston   |
| I. O. F. 150<br>Mcf. I. R. P.<br>350 Lbs. | I. O. F. 800<br>Mcf. I. R. P.<br>600 Lbs. | Smoke at 1,006'.<br>Black water at<br>1,015'. I. O. F.<br>125 Mcf. | Producer.                   | Gas at 1,343'<br>to 1,348'.<br>I. O. F. 350<br>Mcf. I. R. P.<br>650 Lbs. Est. |

| COUNTY         |                                | ERIE                       | ERIE  | ERIE  | ERIE  |
|----------------|--------------------------------|----------------------------|---|---|---|
| QUADRANGLE     |                                | Buffalo                    | Buffalo   | Buffalo   | Buffalo                                     |
| MAP NUMBER     |                                | 34                         | 35  | 36  | 37  |
| NAME OF WELL   |                                | Burke et al.<br>No. 3      | F. Wolfe<br>No. 1   | D. Doyle<br>No. 1   | C. Berg<br>No. 1                            |
| OPERATOR       |                                | Iroquois<br>Gas Corp.      | Iroquois<br>Gas Corp.                                       | Iroquois<br>Gas Corp.   | Iroquois<br>Gas Corp.                       |
| TOWNSHIP       |                                | Hamburg                    | Hamburg   | Hamburg   | Orchard Park                                |
| LATITUDE       |                                | 9,850' North<br>of 42° 45' | 2,500' North<br>of 42° 45'                                  | 2,100' North<br>of 42° 45'  | 18,400' North<br>of 42° 45'                 |
| LONGITUDE      |                                | 4,800' East<br>of 78° 50'  | 4,750' East<br>of 78° 50'                                   | 3,250' East<br>of 78° 50'   | 4,400' West<br>of 78° 45'                   |
| DATE COMPLETED |                                | 1908                       | 10/18/09  | 9/1/09  | 12/5/94                                     |
| ELEVATION      |                                | 675' Topo.                 | 740' Topo.  | 765' Topo.  | 725' Topo.                                  |
| TULLY          |                                |                            |   |   |   |
| ONONDAGA       |                                |                            | 435'–625'   | 470'–645'   |   |
| ORISKANY       |                                |                            |   |   |   |
| SALT ZONE      |                                |                            |   |   |   |
| LOCKPORT       |                                |                            | 1,060'–1,335'   | 1,100'–1,362'   |   |
| MEDINAN        | RED<br>MEDINA<br>(GRIMSBY)     |                            | 1,360'–1,434'   | 1,397'–1,456'   | 1,304'–1,339'                               |
|                | WHITE<br>MEDINA<br>(WHIRLPOOL) |                            | 1,447'–1,462'   | 1,485'–1,504'   | 1,373'–1,387'                               |
| QUEENSTON      |                                |                            | 1,462' —  | 1,504' —  | 1,387' —                                    |
| OSWEGO         |                                |                            |   |   |   |
| TRENTON        |                                |                            |   |   |   |
| POTSDAM        |                                |                            |   |   |   |
| PRECAMBRIAN    |                                |                            |   |   |   |
| TOTAL DEPTH    |                                | 1,422'                     | 1,485'  | 1,534'  | 1,891'                                      |
| DEEPEST FM.    |                                | Queenston                  | Queenston   | Queenston   | Queenston                                   |
| REMARKS        |                                | Producer.                  | Smoke at<br>1,135'.<br>Black water<br>at 1,140'.<br>D. & A. | Smoke and<br>black water<br>at 1,185'.<br>Water at<br>1,219'. Gas at<br>1,488', 1,494'<br>& 1,503'.<br>I. O. F. 238<br>Mcf. | I. O. F. 1,300<br>Mcf. I. R. P.<br>600 Lbs. |

| ERIE                        | ERIE                        | ERIE                                       | ERIE                                       | ERIE                                      |
|-----------------------------|-----------------------------|--|--|---|
| Buffalo                     | Buffalo                     | Buffalo                                    | Buffalo                                    | Buffalo                                   |
| 38                          | 39                          | 40   | 41   | 42  |
| R. Ewald<br>No. 1           | J. Fick, Est.<br>No. 1      | A. Benzing<br>No. 1                        | F. Bolor<br>No. 1                          | W. Miller<br>No. 1                        |
| Iroquois<br>Gas Corp.       | Iroquois<br>Gas Corp.       | Iroquois<br>Gas Corp.                      | Iroquois<br>Gas Corp.                      | Iroquois<br>Gas Corp.                     |
| Orchard Park                | Orchard Park                | Orchard Park                               | Orchard Park                               | Orchard Park                              |
| 18,000' North<br>of 42° 45' | 16,500' North<br>of 42° 45' | 15,100' North<br>of 42° 45'                | 16,300' North<br>of 42° 45'                | 4,700' North<br>of 42° 45'                |
| On<br>78° 45'               | 7,500' West<br>of 78° 45'   | 6,000' West<br>of 78° 45'                  | 1,500' West<br>of 78° 45'                  | 7,600' West<br>of 78° 45'                 |
| 8/1894                      | 1895                        | 12/8/02                                    | 4/1894                                     | 2/10/13                                   |
| 760' Topo.                  | 720' Topo.                  | 740' Topo.                                 | 740' Topo.                                 | 785' Topo.                                |
|                             |                             |  |  |   |
| 366'-528'                   |                             | 360'-530'                                  | 349'-520'                                  | 490'-660'                                 |
|                             |                             |  |  |   |
|                             |                             |  |  |   |
| 915'-1,242'                 |                             | 960'-1,230'                                | 925'-1,240'                                | 1,115'-1,392'                             |
|                             |                             | 1,255' —                                   | 1,262' —                                   | 1,418'-1,488'                             |
|                             |                             |  |  |   |
| —1,360'                     |                             | 1,372'-1,384'                              | 1,360'-1,374'                              | 1,499'-1,524'                             |
| 1,360' —                    |                             | 1,384' —                                   | 1,374' —                                   | 1,524' —                                  |
|                             |                             |  |  |   |
|                             |                             |  |  |   |
|                             |                             |  |  |   |
|                             |                             |  |  |   |
| 1,375'                      | 1,369' Est.                 | 1,425'                                     | 1,376'                                     | 1,575'                                    |
| Queenston                   | Queenston                   | Queenston                                  | Queenston                                  | Queenston                                 |
| I. O. F. 1,000<br>Mcf.      | I. O. F. 850<br>Mcf.        | Water at<br>1,060'.<br>I. O. F. 50<br>Mcf. | Water at<br>1,050'. I. O. F.<br>1,250 Mcf. | I. O. F. 248<br>Mcf. I. R. P.<br>310 Lbs. |

TABLE I (Cont.)

| COUNTY         |                                | ERIE  | ERIE   | ERIE   | ERIE                       |
|----------------|--------------------------------|---|--|--|----------------------------|
| QUADRANGLE     |                                | Buffalo   | Buffalo  | Buffalo  | Buffalo                    |
| MAP NUMBER     |                                | 43  | 44   | 45   | 46                         |
| NAME OF WELL   |                                | G. Potter<br>No. 1  | E. Sloan<br>No. 1  | H. Pierce<br>No. 1   | T. Gates<br>No. 1          |
| OPERATOR       |                                | Iroquois<br>Gas Corp.   | Iroquois<br>Gas Corp.  | Iroquois<br>Gas Corp.  | Iroquois<br>Gas Corp.      |
| TOWNSHIP       |                                | Orchard Park  | Orchard Park   | Orchard Park   | Orchard Park               |
| LATITUDE       |                                | 5,200' North<br>of 42° 45'  | 5,400' North<br>of 42° 45'   | 2,000' North<br>of 42° 45'   | 150' North<br>of 42° 45'   |
| LONGITUDE      |                                | 2,850' West<br>of 78° 45'   | On<br>78° 45'  | 11,700' West<br>of 78° 45'   | 11,900' West<br>of 78° 45' |
| DATE COMPLETED |                                | 7/12/12   | 8/24/12  | 5/8/12   | 12/28/11                   |
| ELEVATION      |                                | 780' Topo.  | 860' Topo.   | 800' Topo.   | 805' Topo.                 |
| TULLY          |                                |   |  |  |                            |
| ONONDAGA       |                                | 507'-670'   | 568'-735'  | 520'-700'  |                            |
| ORISKANY       |                                |   |  |  |                            |
| SALT ZONE      |                                |   |  |  |                            |
| LOCKPORT       |                                | 1,120'-1,400'   | 1,185'-1,465'  | 1,105'-1,413'  |                            |
| MEDINAN        | RED<br>MEDINA<br>(GRIMSBY)     | 1,423'-1,500'   | 1,486'-1,560'  | 1,444'-1,522'  |                            |
|                | WHITE<br>MEDINA<br>(WHIRLPOOL) | 1,517'-1,537'   | 1,578'-1,604'  | 1,530'-1,550'  |                            |
| QUEENSTON      |                                | 1,537' —  | 1,604' —   | 1,550' —   |                            |
| OSWEGO         |                                |   |  |  |                            |
| TRENTON        |                                |   |  |  |                            |
| POTSDAM        |                                |   |  |  |                            |
| PRECAMBRIAN    |                                |   |  |  |                            |
| TOTAL DEPTH    |                                | N. R.   | 1,611'   | 1,552'   | 1,637'                     |
| DEEPEST FM.    |                                | Queenston   | Queenston  | Queenston  | Queenston                  |
| REMARKS        |                                | Water at<br>1,183'-1,240'.<br>I. O. F.<br>184,320 cf.<br>I. R. P. 595<br>Lbs. | Water at<br>1,256', 1,303'<br>& 1,320'.<br>Show gas at<br>1,598'.<br>D. & A. | Black water<br>at 1,248'. Gas<br>at 1,538'-<br>1,545'. I. O. F.<br>1,665,080 cf.<br>I. R. P. 440<br>Lbs. | I. O. F.<br>360 Mcf.       |



| ERIE  | ERIE                       | ERIE                       | ERIE   | ERIE                          |
|---|----------------------------|----------------------------|--|-------------------------------|
| Buffalo   | Buffalo                    | Buffalo                    | Buffalo  | Buffalo                       |
| 47  | 48                         | 49                         | 50   | 51                            |
| R. Murphy<br>No. 1  | Mrs. Faulding<br>No. 1     | H. Yates<br>No. 5          | Grand Island<br>Gas Co.                          |                               |
| Iroquois<br>Gas Corp.   | Iroquois<br>Gas Corp.      | Iroquois<br>Gas Co.        | E. G. Bucher                                     |                               |
| Orchard Park  | Orchard Park               | Orchard Park               | Grand Island                                     |                               |
| 1,900' North<br>of 42° 45'  | 2,800' North<br>of 42° 45' | 2,000' North<br>of 42° 45' | 11,150' South<br>of 43° 00' Est.                 |                               |
| 8,500' West<br>of 78° 45'   | 5,300' West<br>of 78° 45'  | 1,300' West<br>of 78° 45'  | 8,400' West<br>of 78° 55' Est.                   |                               |
| 3/19/12   | 11/18/13                   | 2/27/13                    | 1934   |                               |
| 790' Topo.  | 810' Topo.                 | 845' Topo.                 | 585' Topo.                                       |                               |
|   |                            |                            |  |                               |
| 537'-697'   |                            |                            |  |                               |
|   |                            |                            |  |                               |
|   |                            |                            |  |                               |
| 1,100'-1,420'   |                            | N. R.-1,500'               |  |                               |
| -1,515'   |                            |                            |  |                               |
| 1,532' -  |                            | 1,612'-1,638'              | 695'-701'  |                               |
|   |                            | 1,638' -                   | 701' -   |                               |
|   |                            |                            |  |                               |
|   |                            |                            |  |                               |
|   |                            |                            |  |                               |
|   |                            |                            |  |                               |
| 1,561'  | 1,553'                     | 1,670'                     | 800'   |                               |
| Queenston   | Queenston                  | Queenston                  | Queenston  |                               |
| Smoke at<br>1,235'. Gas at<br>1,542'. I. O. F.<br>962,880 cf.<br>I. R. P. 630<br>Lbs. | Producer.                  | I. O. F. 200<br>Mcf.       | 1,562 cf. of gas<br>(1948). I. R. P.<br>312 Lbs. | See Canadian<br>Well Records. |

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TABLE I (Cont.)

| COUNTY         |                          | ERIE  | ERIE  | ERIE                       | LIVINGSTON                   |
|----------------|--------------------------|---|---|----------------------------|------------------------------|
| QUADRANGLE     |                          | Buffalo   | Buffalo   | Buffalo                    | Nunda                        |
| MAP NUMBER     |                          | 52  | 53  | 54                         | 1                            |
| NAME OF WELL   |                          | R. Stiefler No. 1   | Fee No. 1   |                            |                              |
| OPERATOR       |                          | R. Stiefler   | Excelite Co.  | Linde Air Products Co.     | Royal Salt Co.               |
| TOWNSHIP       |                          | Hamburg   | Orchard Park  | Buffalo                    | Mount Morris                 |
| LATITUDE       |                          | 15,200' South of 42° 50'  | 4,350' North of 42° 45'   | 9,600' North of 42° 55'    | 6,800' South of 42° 45' Est. |
| LONGITUDE      |                          | 3,900' East of 78° 50'  | 550' West of 78° 45'  | 7,400' West of 78° 50'     | 10,175' West of 77° 50' Est. |
| DATE COMPLETED |                          | 8/20/58   | 10/18/58  |                            | 1885                         |
| ELEVATION      |                          | 635' Topo.  | 845' D. F.  | 640'                       | 574'                         |
| TULLY          |                          |   |   |                            |                              |
| ONONDAGA       |                          | 253'-N. R.  | 600' Est. —   |                            | 670'-820'                    |
| ORISKANY       |                          |   |   |                            |                              |
| SALT ZONE      |                          |   |   |                            | 1,290'-1,422'                |
| LOCKPORT       |                          |   |   | 312'-515'                  |                              |
| MEDINAN        | RED MEDINA (GRIMSBY)     | 1,173'-1,244'   | 1,512'-1,574'   |                            |                              |
|                | WHITE MEDINA (WHIRLPOOL) | 1,266'-1,271'   | 1,590'-1,618'   |                            |                              |
| QUEENSTON      |                          | 1,271' —  | 1,618'-2,594'   | 730' —                     |                              |
| OSWEGO         |                          |   | 2,594'-2,634'   | 1,630'-1,675'              |                              |
| TRENTON        |                          |   |   | 2,525' —                   |                              |
| POTSDAM        |                          |   |   |                            |                              |
| PRECAMBRIAN    |                          |   |   |                            |                              |
| TOTAL DEPTH    |                          | 1,913'  | 2,861'  | 3,275'                     | 1,422'                       |
| DEEPEST FM.    |                          | Queenston   | Lorraine  | N. R.                      | Camillus                     |
| REMARKS        |                          | Clinton at 1,149'-1,169'.<br>11 Mcf. gas from Medina.<br>20 Mcf. from 1,785'. 80 Mcf. from 1,814'.<br>I. R. P. 400 Lbs. | 14 Mcf. b/s, 40 Mcf. a/s from Medina.<br>I. R. P. 40 Lbs. Reported show of gas from Oswego.<br>*P | Top of Cambrian at 3,256'. | Salt well.                   |

| LIVINGSTON                          | WYOMING                       | WYOMING                       | WYOMING   | WYOMING                      |
|-------------------------------------|-------------------------------|-------------------------------|---|------------------------------|
| Nunda                               | Portage                       | Portage                       | Portage   | Portage                      |
| 2                                   | 1                             | 2                             | 3   | 4                            |
| Nunda Well                          | Salt Well                     | Salt Well                     | Cummings No. 1  | Salt Well                    |
|                                     | Bradley Salt Co.              | Perry Salt Co.                | Flint Oil & Gas Co.                                   | Alex Kerr Bros. & Co.        |
| Nunda                               | Warsaw                        | Perry                         | Gainesville   | Gainesville                  |
| 1,400' South of 42° 35' Est.        | 13,400' South of 42° 45' Est. | 12,250' South of 42° 45' Est. | 6,800' North of 42° 40'                               | 4,750' North of 42° 40' Est. |
| 6,600' West of 77° 55' Est.         | 4,350' East of 78° 10' Est.   | 1,550' West of 78° 00' Est.   | 8,200' West of 78° 05'                                | 8,300' West of 78° 05' Est.  |
| Before 1893                         | 1885                          | 1887                          | 9/3/29  | Before 1893                  |
| 985'                                | 1,329'                        | 1,335'                        | 1,400'  | 1,312'                       |
|                                     |                               |                               |   |                              |
| 1,608'–1,818'                       | 1,315'–1,540'                 | 1,463' –                      | 1,551'–1,691'   | 1,490'–1,630'                |
|                                     |                               |                               |   |                              |
| 2,060'–2,140'                       | 1,975'–2,029'+                | 2,043'–2,163'+                |   | 2,015'–2,111'+               |
|                                     |                               |                               | 2,388'–2,618'   |                              |
|                                     |                               |                               | 2,730'(?)–2,831'                                      |                              |
|                                     |                               |                               | –2,381'   |                              |
|                                     |                               |                               | 2,381' –  |                              |
|                                     |                               |                               |   |                              |
|                                     |                               |                               |   |                              |
|                                     |                               |                               |   |                              |
|                                     |                               |                               |   |                              |
| 2,225'                              | 2,039'                        | 2,181'                        | 2,901'  | 2,111'                       |
| Silurian                            | Camillus                      | Camillus                      | Queenston   | Camillus                     |
| Show of oil 543'–1,016'. Salt well. | Salt well.                    | Salt well.                    | Clinton at 2,610'–2,730'. I. O. F. 30 Mcf. at 2,790'. | Salt well.                   |

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TABLE I (Cont.)

| COUNTY         |                          | WYOMING                 | WYOMING                   | WYOMING                 | WYOMING                 |
|----------------|--------------------------|-------------------------|---------------------------|-------------------------|-------------------------|
| QUADRANGLE     |                          | Portage                 | Portage                   | Portage                 | Portage                 |
| MAP NUMBER     |                          | 5                       | 6                         | 7                       | 8                       |
| NAME OF WELL   |                          | N. Smith                | Stamp No. 1               | Salt Well No. 8         | Salt Well No. 3         |
| OPERATOR       |                          |                         | Flint Oil & Gas Co.       | Morton Salt Co.         | Morton Salt Co.         |
| TOWNSHIP       |                          | Gainesville             | Gainesville               | Gainesville             | Gainesville             |
| LATITUDE       |                          | 4,800' South of 42° 40' | 2,200' South of 42° 40'   | 2,200' South of 42° 40' | 3,800' South of 42° 40' |
| LONGITUDE      |                          | 5,800' West of 78° 10'  | 9,000' East of 78° 10'    | 1,150' East of 78° 05'  | 1,150' East of 78° 05'  |
| DATE COMPLETED |                          |                         | 1/18/30                   |                         |                         |
| ELEVATION      |                          | 1,770' Topo.            | 1,640'                    | 1,390'                  | 1,339'                  |
| TULLY          |                          |                         |                           |                         |                         |
| ONONDAGA       |                          | 2,066'-2,205'           | 1,810'-1,960'             |                         |                         |
| ORISKANY       |                          |                         |                           |                         |                         |
| SALT ZONE      |                          |                         |                           | 2,270'-2,380'+          | 2,274'-2,374'+          |
| LOCKPORT       |                          |                         | 2,635'-2,852'             |                         |                         |
| MEDINAN        | RED MEDINA (GRIMSBY)     |                         | 3,005'(?)-3,100'          |                         |                         |
|                | WHITE MEDINA (WHIRLPOOL) |                         | N. P.                     |                         |                         |
| QUEENSTON      |                          |                         | 3,100'-3,160'+            |                         |                         |
| OSWEGO         |                          |                         |                           |                         |                         |
| TRENTON        |                          |                         |                           |                         |                         |
| POTSDAM        |                          |                         |                           |                         |                         |
| PRECAMBRIAN    |                          |                         |                           |                         |                         |
| TOTAL DEPTH    |                          | 2,239'                  | 3,160'                    | 2,380'                  | 2,374'                  |
| DEEPEST FM.    |                          | Onondaga                | Queenston                 | Camillus                | Camillus                |
| REMARKS        |                          |                         | Clinton at 2,852'-3,005'. | Salt well.              | Salt well.              |
|                |                          |                         |                           |                         |                         |



| WYOMING                 | WYOMING  | WYOMING                         | WYOMING                 | WYOMING                 |
|-------------------------|--|---------------------------------|-------------------------|-------------------------|
| Portage                 | Portage  | Portage                         | Portage                 | Portage                 |
| 9                       | 10   | 11                              | 12                      | 13                      |
| Salt Well No. 5         | Salt Well                                      | Randolph No. 1                  | Salt Well No. 12        | Salt Well No. 11        |
| Morton Salt Co.         | Gainesville Salt Co.                           | Iroquois Gas Co.                | Morton Salt Co.         | Morton Salt Co.         |
| Gainesville             | Gainesville                                    | Gainesville                     | Castile                 | Castile                 |
| 4,500' South of 42° 40' | 10,600' South of 42° 40' Est.                  | 13,100' North of 42° 35'        | 4,200' South of 42° 40' | 4,800' South of 42° 40' |
| 1,250' East of 78° 05'  | 10,600' East of 78° 10' Est.                   | 9,200' West of 78° 05'          | 3,700' East of 78° 05'  | 1,800' East of 78° 05'  |
|                         | Before 1893                                    |                                 |                         |                         |
| 1,380'                  | 1,610'   | 1,600'                          | 1,386'                  | 1,325'                  |
|                         |  |                                 |                         |                         |
|                         | 1,875'-2,000'                                  | 1,953'-2,100'                   |                         |                         |
|                         |  |                                 |                         |                         |
| 2,272'-2,377'+          | 2,450'-2,514'                                  |                                 | 2,285'-2,391'+          | 2,253'-2,361'+          |
|                         |  | 2,808'-3,205'                   |                         |                         |
|                         |  | 3,205'-3,296'                   |                         |                         |
|                         |  | N. P.                           |                         |                         |
|                         |  | 3,296' —                        |                         |                         |
|                         |  |                                 |                         |                         |
|                         |  |                                 |                         |                         |
|                         |  |                                 |                         |                         |
|                         |  |                                 |                         |                         |
| 2,377'                  | N. R.  | 3,361'                          | 2,391'                  | 2,361'                  |
| Camillus                | Lockport                                       | Queenston                       | Camillus                | Camillus                |
| Salt well.              | Salt well. Shale from 2,514' down to Lockport. | Gas at 3,282'. I. O. F. 45 Mcf. | Salt well.              | Salt well.              |

## NEW YORK

TABLE I (Cont.)

| COUNTY         |                          | WYOMING                       | WYOMING   | WYOMING                 | LIVINGSTON               |
|----------------|--------------------------|-------------------------------|---|-------------------------|--------------------------|
| QUADRANGLE     |                          | Portage                       | Portage   | Portage                 | Portage                  |
| MAP NUMBER     |                          | 14                            | 15  | 16                      | 17                       |
| NAME OF WELL   |                          | Salt Well                     | John Harding No. 1  |                         | Nevinger                 |
| OPERATOR       |                          | Castile Salt Co.              | Pawnee Oil & Gas Co.  |                         | Brandywine Utility Co.   |
| TOWNSHIP       |                          | Castile                       | Castile   | Pike                    | Portage                  |
| LATITUDE       |                          | 13,300' South of 42° 40' Est. | 11,400' South of 42° 40'  | 8,500' South of 42° 35' | 10,800' South of 42° 35' |
| LONGITUDE      |                          | 5,450' East of 78° 05'        | 10,800' East of 78° 05'   | 6,300' West of 78° 05'  | 11,700' West of 78° 00'  |
| DATE COMPLETED |                          | 1884                          | 12/24/31  |                         | 1932                     |
| ELEVATION      |                          | 1,367'                        | 1,515' Topo.  | 1,490' Topo.            | 1,140' Topo.             |
| TULLY          |                          |                               | N. P.   |                         |                          |
| ONONDAGA       |                          | 1,775'-1,915'                 | 1,821'-1,955'   | 2,061'-2,191'           |                          |
| ORISKANY       |                          |                               | N. P.   |                         |                          |
| SALT ZONE      |                          | 2,335'-2,525'+                | 2,462'-2,560'   |                         |                          |
| LOCKPORT       |                          |                               | 2,680'-2,958'   |                         |                          |
| MEDINAN        | RED MEDINA (GRIMSBY)     |                               | 3,100'-3,139'   | 3,388'-3,472'           | 3,150' -                 |
|                | WHITE MEDINA (WHIRLPOOL) |                               | 3,139'-3,186'   |                         |                          |
| QUEENSTON      |                          |                               | 3,186' -  |                         |                          |
| OSWEGO         |                          |                               |   |                         |                          |
| TRENTON        |                          |                               |   |                         |                          |
| POTSDAM        |                          |                               |   |                         |                          |
| PRECAMBRIAN    |                          |                               |   |                         |                          |
| TOTAL DEPTH    |                          | 2,525'                        | 3,214'  | 3,508'                  | 3,260' Est.              |
| DEEPEST FM.    |                          | Camillus                      | Queenston   | Queenston               | Queenston                |
| REMARKS        |                          | Salt well.                    | Clinton at 2,958'-3,139'. Salt water at 1,950'. Show gas at 2,125' & 3,184'. (5 Mcf.) P. & A.<br>** |                         | D. & A.                  |

| ALLEGANY   | WYOMING                    | WYOMING   | ERIE                      | ERIE   |
|--|----------------------------|---|---------------------------|--|
| Portage  | Portage                    | Portage   | Arcade                    | Arcade   |
| 18   | 19                         | 20  | 1                         | 2  |
| T. McElroy<br>No. 1  | Fee<br>No. 14              | H. Lockwood<br>No. 1                            | George<br>No. 1           | H. & E. Hudson<br>No. 1                        |
| Butera Oil<br>Co.  | Morton Salt<br>Co.         | Farmers Oil<br>Co.                              | Iroquois<br>Gas Corp.     | Iroquois<br>Gas Corp.                          |
| Centerville  | Castile                    | Genesee Falls                                   | Wales                     | Wales  |
| 400' North<br>of 42° 30'   | 4,400' South<br>of 42° 40' | 4,700' South<br>of 42° 35'                      | 800' South<br>of 42° 45'  | 3,600' South<br>of 42° 45'                     |
| 5,500' East<br>of 78° 15'  | 4,600' East<br>of 78° 05'  | 1,200' East<br>of 78° 05'                       | 9,200' East<br>of 78° 30' | 2,800' East<br>of 78° 30'                      |
| 5/28/55  | 5/1957                     | 5/5/59  | 1/16/51                   | 4/12/52  |
| 1,967' D. F.   | 1,329'                     | 1,595' D. F.                                    | 1,425' Topo.              | 955' Topo.                                     |
| 2,440'-2,477'  |                            | 1,685'-1,712'                                   |                           |  |
| 2,889'-3,014'  | 1,650'—                    | 2,172'-2,299'                                   | 1,195'-1,370'             | 763'-930'                                      |
| Horizon 3,014'—  |                            | Horizon 2,299'-2,300'                           |                           |  |
| 3,468'-3,613'  | 2,200'-2,355'+             | 2,636'-2,944'                                   |                           |  |
| 3,752'—  |                            | 3,028'-3,267'?                                  | 1,862'-2,215'             | 1,460'-1,761'                                  |
| 4,130'-4,206'?   |                            | 3,487'—   | 2,250'-2,344'             | 1,791'-1,897'                                  |
| 4,206'?-4,215'   |                            | 3,548'-3,564'                                   |                           |  |
| 4,215'—  |                            | 3,564'—   |                           |  |
| 5,198'-5,498' Est.   |                            |   |                           |  |
|  |                            |   |                           |  |
|  |                            |   |                           |  |
|  |                            |   |                           |  |
| 5,505'   | 2,368'                     | 3,583'  | 2,379'                    | N. R.  |
| U. Ordovician  | Camillus                   | Medina  | Queenston                 | Queenston                                      |
| Salt water at<br>3,840'-3,860'.<br>Show gas at<br>1,100', 3,827',<br>3,860'-3,862' &<br>4,200'. Trace<br>of oil 3,883'.<br>P. & A.<br>(*P) | Salt well.                 | Black water<br>at 3,222'.<br>P. & A.<br>**<br>* | D. & A.                   | Show gas at<br>320'-750' &<br>865'.<br>D. & A. |

| COUNTY         |                                | ERIE  | ERIE                       | ERIE  | ERIE                       |
|----------------|--------------------------------|---|----------------------------|---|----------------------------|
| QUADRANGLE     |                                | Arcade  | Arcade                     | Arcade  | Arcade                     |
| MAP NUMBER     |                                | 3   | 4                          | 5   | 6                          |
| NAME OF WELL   |                                | H. & L. Simons<br>No. 1   | H. Hudson<br>No. 1         | A. & E. Kopp<br>No. 1                             | F. & N. Forge<br>No. 2     |
| OPERATOR       |                                | Iroquois<br>Gas Corp.   | Iroquois<br>Gas Corp.      | Iroquois<br>Gas Corp.                             | Iroquois<br>Gas Corp.      |
| TOWNSHIP       |                                | Wales   | Wales                      | Wales   | Wales                      |
| LATITUDE       |                                | 5,400' South<br>of 42° 45'  | 7,500' South<br>of 42° 45' | 8,700' South<br>of 42° 45'                        | 8,850' South<br>of 42° 45' |
| LONGITUDE      |                                | 5,300' East<br>of 78° 30'   | 8,350' East<br>of 78° 30'  | 3,500' East<br>of 78° 30'                         | 6,800' East<br>of 78° 30'  |
| DATE COMPLETED |                                | 2/8/54  | 10/29/24                   | 1/23/52   | 8/8/23                     |
| ELEVATION      |                                | 935' Topo.  | 991'                       | 1,035' Topo.                                      | 971'                       |
| TULLY          |                                |   |                            |   |                            |
| ONONDAGA       |                                | 790'-960'   | 897'-1,057'                | 954'-1,119'                                       | 875'-1,033'                |
| ORISKANY       |                                |   |                            |   |                            |
| SALT ZONE      |                                |   |                            |   |                            |
| LOCKPORT       |                                | 1,490'-1,820'   | 1,575'-1,911'              | 1,669'-1,971'                                     | 1,513'-1,900'              |
| MEDINAN        | RED<br>MEDINA<br>(GRIMSBY)     | 1,849'-1,954'   | 1,941'-2,036'              | 2,004'-2,094'                                     | 1,930'-2,020'              |
|                | WHITE<br>MEDINA<br>(WHIRLPOOL) |   | N. P.                      |   |                            |
| QUEENSTON      |                                |   | 2,036'—                    |   |                            |
| OSWEGO         |                                |   |                            |   |                            |
| TRENTON        |                                |   |                            |   |                            |
| POTSDAM        |                                |   |                            |   |                            |
| PRECAMBRIAN    |                                |   |                            |   |                            |
| TOTAL DEPTH    |                                | 1,981'  | 2,054'                     | 2,126'  | 2,036'                     |
| DEEPEST FM.    |                                | Queenston   | Queenston                  | Queenston   | Queenston                  |
| REMARKS        |                                | Water at 148',<br>156', 160' &<br>168'. Black<br>water at<br>1,610'. Show<br>gas at 520'<br>& 750' (35<br>Mcf.).<br>D. & A. | D. & A.                    | Smoke and<br>black water<br>at 1,735'.<br>D. & A. | D. & A.                    |



| ERIE  | ERIE                        | ERIE   | ERIE  | ERIE   |
|---|-----------------------------|--|---|--|
| Arcade  | Arcade                      | Arcade   | Arcade  | Arcade   |
| 7   | 8                           | 9  | 10  | 11   |
| F. & N. Forge<br>No. 1  | F. Hofflower<br>No. 1       | F. & N. Forge<br>No. 3   | East Aurora<br>Basket Co. No. 1                   | Moore<br>No. 1                                       |
| Iroquois<br>Gas Corp.   | Iroquois<br>Gas Corp.       | Iroquois<br>Gas Corp.  | Iroquois<br>Gas Corp.                             | Iroquois<br>Gas Corp.                                |
| Wales   | Wales                       | Wales  | Wales   | Wales  |
| 9,300' South<br>of 42° 45'  | 10,450' South<br>of 42° 45' | 10,600' South<br>of 42° 45'  | 15,000' South<br>of 42° 45'                       | 15,200' South<br>of 42° 45'                          |
| 8,750' East<br>of 78° 30'   | 7,200' East<br>of 78° 30'   | 8,800' East<br>of 78° 30'  | 800' East<br>of 78° 30'                           | 8,900' East<br>of 78° 30'                            |
| 6/20/23   | 8/20/24                     | 5/22/24  | 9/28/24   | 2/7/25   |
| 949'  | 1,045'                      | 962'   | 1,447'  | 1,030' Topo.   |
|   |                             |  |   |  |
| 870'—1,032'   | 972'—1,132'                 | 866'—1,041'  | 1,387'—1,545'                                     | 1,047'—1,207'  |
|   |                             |  |   |  |
|   |                             |  | 1,965'—1,989'                                     | 1,630'—  |
| 1,540'—1,894'   | 1,698'—2,005'               |  | 2,115'—2,409'                                     | 1,825'—2,098'  |
| 1,921'—1,956'   | 2,035'—2,128'               |  | 2,439'—2,530'                                     | 2,124'—2,217'  |
| N. P.   |                             |  | N. P.   |  |
| 1,956'—   |                             |  | 2,530'—   |  |
|   |                             |  |   |  |
|   |                             |  |   |  |
|   |                             |  |   |  |
|   |                             |  |   |  |
| 2,031'  | 2,142'                      | 1,064'   | 2,544'  | 2,231'   |
| Queenston   | Queenston                   | Onondaga   | Queenston   | Queenston  |
| Gas at<br>2,009'—2,014'.<br>I. O. F. 786<br>Mcf. I. R. P.<br>30 Lbs.<br>(56 hrs.)<br>Gas from<br>Queenston. | Water at 1,758'.<br>D. & A. | Gas at 826'.<br>I. O. F. 105<br>Mcf. I. R. P.<br>225 Lbs.<br>Production<br>from Marcellus. | Oil show at<br>1,545', 1 bbl./<br>day.<br>D. & A. | Shale gas at<br>715'. Smoke<br>at 1,866'.<br>D. & A. |

| COUNTY         |                                | ERIE   | ERIE   | ERIE                             | ERIE  |
|----------------|--------------------------------|--|--|----------------------------------|---|
| QUADRANGLE     |                                | Arcade   | Arcade   | Arcade                           | Arcade  |
| MAP NUMBER     |                                | 12   | 13   | 14                               | 15  |
| NAME OF WELL   |                                | R. George<br>No. 1   | L. Marzolf<br>No. 2  | L. Marzolf<br>No. 1              | M. Parker<br>No. 1                                    |
| OPERATOR       |                                | Iroquois<br>Gas Corp.  | Iroquois<br>Gas Corp.                                      | Iroquois<br>Gas Corp.            | Iroquois<br>Gas Corp.                                 |
| TOWNSHIP       |                                | Wales  | Holland  | Holland                          | Holland   |
| LATITUDE       |                                | 19,500' South<br>of 42° 45'  | 8,900' North<br>of 42° 40'                                 | 8,000' North<br>of 42° 40'       | 5,100' South<br>of 42° 40'                            |
| LONGITUDE      |                                | 1,100' East<br>of 78° 30'  | 3,300' East<br>of 78° 30'                                  | 5,300' East<br>of 78° 30'        | 1,850' East<br>of 78° 30'                             |
| DATE COMPLETED |                                | 1/20/25  | 12/18/25   | 2/16/25                          | 8/19/25   |
| ELEVATION      |                                | 1,520'   | 1,495'   | 1,412'                           | 1,361'  |
| TULLY          |                                |  |  |                                  |   |
| ONONDAGA       |                                | 1,520'-1,690'  | 1,520'-1,684'  | 1,456'-1,623'                    | 1,515'-1,675'   |
| ORISKANY       |                                |  |  |                                  |   |
| SALT ZONE      |                                |  | 2,095'-2,114'  |                                  |   |
| LOCKPORT       |                                | 2,257'-2,552'  | 2,250'-2,546'  | 2,207'-2,479'                    | 2,245'-2,532'   |
| MEDINAN        | RED<br>MEDINA<br>(GRIMSBY)     | 2,584'-2,682'  | 2,580'-2,671'  | 2,507'-2,599'                    | 2,569'-2,661'   |
|                | WHITE<br>MEDINA<br>(WHIRLPOOL) |  |  | N. P.                            |   |
| QUEENSTON      |                                |  |  | 2,599'—                          |   |
| OSWEGO         |                                |  |  |                                  |   |
| TRENTON        |                                |  |  |                                  |   |
| POTSDAM        |                                |  |  |                                  |   |
| PRECAMBRIAN    |                                |  |  |                                  |   |
| TOTAL DEPTH    |                                | 2,697'   | 2,681'   | 2,612'                           | 2,677'  |
| DEEPEST FM.    |                                | Queenston  | Queenston  | Queenston                        | Queenston   |
| REMARKS        |                                | Black water<br>at 2,357'-<br>2,367'. Show<br>gas at 2,662'.<br>D. & A. | Show gas at<br>745', 1,084' &<br>2,655'-2,659'.<br>D. & A. | 10 Mcf. in<br>Medina.<br>D. & A. | Smoke at<br>2,330'. Show<br>gas at 2,615'.<br>D. & A. |

| ERIE                           | ERIE   | ERIE                        | WYOMING                           | WYOMING  |
|--------------------------------|--|-----------------------------|-----------------------------------|--|
| Arcade                         | Arcade   | Arcade                      | Arcade                            | Arcade   |
| 16                             | 17   | 18                          | 19                                | 20   |
| A. P. Wagner<br>No. 1          | F. Howe<br>No. 1                               | Jewett<br>No. 1             | G. Barvian<br>No. 1               | C. & P. Victor<br>No. 1  |
| Iroquois<br>Gas Corp.          |  |                             | Iroquois<br>Gas Corp.             | Iroquois<br>Gas Corp.  |
| Holland                        | Sardinia                                       | Sardinia                    | Sheldon                           | Sheldon  |
| 20,000' South<br>of 42° 40'    | 13,000' South<br>of 42° 35'                    | 17,000' North<br>of 42° 30' | 4,900' South<br>of 42° 45'        | 8,750' South<br>of 42° 45'   |
| 9,400' East<br>of 78° 30'      | 8,100' East<br>of 78° 30'                      | 9,650' East<br>of 78° 30'   | 7,000' West<br>of 78° 25'         | 11,100' West<br>of 78° 25'   |
| 4/20/27                        |  |                             | 1/3/24                            | 3/8/24   |
| 1,429'                         | 1,447'   | 1,450'                      | 1,248'                            | 1,263'   |
|                                |  |                             |                                   |  |
| 1,750'–1,920'                  | 2,000'–2,171'                                  | 1,990'—                     | 1,150'–1,294'                     | 1,181'—  |
|                                | N. R.  |                             |                                   |  |
|                                | 2,575'–2,615'                                  |                             |                                   |  |
| 2,530'–2,795'                  | 2,765'–2,970'                                  | 2,776'–2,970'               | 1,883'–2,164'                     | 1,897'–2,210'  |
| 2,828'–2,924'                  | 3,118'–3,123'                                  | 3,107'—                     | 2,191'–2,281'                     | 2,240'–2,333'  |
|                                | —3,258'  |                             |                                   |  |
|                                | 3,258'—  |                             |                                   |  |
|                                |  |                             |                                   |  |
|                                |  |                             |                                   |  |
|                                |  |                             |                                   |  |
|                                |  |                             |                                   |  |
| 2,947'                         | 3,258'   | N. R.                       | 2,299'                            | 2,345'   |
| Queenston                      | Queenston                                      | Queenston                   | Queenston                         | Queenston  |
| Smoke at<br>2,570'.<br>D. & A. | Clinton at<br>3,098'–3,108'.<br>D. & A.<br>**p | Producer.                   | Show gas at<br>2,236'.<br>D. & A. | Smoke at<br>1,957'. Black<br>water at<br>1,977'–1,993'.<br>D. & A. |

| COUNTY         |                                | WYOMING                    | WYOMING                    | WYOMING                     | WYOMING                           |
|----------------|--------------------------------|----------------------------|----------------------------|-----------------------------|-----------------------------------|
| QUADRANGLE     |                                | Arcade                     | Arcade                     | Arcade                      | Arcade                            |
| MAP NUMBER     |                                | 21                         | 22                         | 23                          | 24                                |
| NAME OF WELL   |                                | W. Amburst<br>No. 1        | W. Amburst                 | E. & M. Musty<br>No. 1      | P. George<br>No. 1                |
| OPERATOR       |                                | Iroquois<br>Gas Corp.      |                            | Iroquois<br>Gas Corp.       | Iroquois<br>Gas Corp.             |
| TOWNSHIP       |                                | Sheldon                    | Sheldon                    | Sheldon                     | Sheldon                           |
| LATITUDE       |                                | 8,500' South<br>of 42° 45' | 8,400' South<br>of 42° 45' | 10,650' South<br>of 42° 45' | 13,500' South<br>of 42° 45'       |
| LONGITUDE      |                                | 6,000' West<br>of 78° 25'  | 400' West<br>of 78° 25'    | 11,350' West<br>of 78° 25'  | 4,900' West<br>of 78° 25'         |
| DATE COMPLETED |                                | 8/25/24                    |                            | 1/25/24                     | 11/14/24                          |
| ELEVATION      |                                | 1,285' Topo.               | 1,483'                     | 1,049'                      | 1,320' Topo.                      |
| TULLY          |                                |                            |                            |                             |                                   |
| ONONDAGA       |                                | 1,404'-1,564'              | 1,404'—                    | 968'-1,134'                 | 1,275'-1,435'                     |
| ORISKANY       |                                |                            |                            |                             |                                   |
| SALT ZONE      |                                |                            |                            |                             |                                   |
| LOCKPORT       |                                | 2,160'-2,452'              |                            | 1,700'-2,037'               | 2,050'-2,330'                     |
| MEDINAN        | RED<br>MEDINA<br>(GRIMSBY)     | 2,425'-2,573'              | 2,485'—                    | 2,055'-2,092'               | 2,364'-2,456'                     |
|                | WHITE<br>MEDINA<br>(WHIRLPOOL) | N. P.                      |                            |                             | N. P.                             |
| QUEENSTON      |                                | 2,573'—                    |                            |                             | 2,456'—                           |
| OSWEGO         |                                |                            |                            |                             |                                   |
| TRENTON        |                                |                            |                            |                             |                                   |
| POTSDAM        |                                |                            |                            |                             |                                   |
| PRECAMBRIAN    |                                |                            |                            |                             |                                   |
| TOTAL DEPTH    |                                | 2,587'                     | N. R.                      | 2,160'                      | 2,470'                            |
| DEEPEST FM.    |                                | Queenston                  | Queenston                  | Queenston                   | Queenston                         |
| REMARKS        |                                | D. & A.                    | D. & A.                    | D. & A.                     | Show gas at<br>2,450'.<br>D. & A. |



| WYOMING  | WYOMING                    | WYOMING                           | WYOMING                    | WYOMING                                 |
|--|----------------------------|-----------------------------------|----------------------------|---|
| Arcade   | Arcade                     | Arcade                            | Arcade                     | Arcade                                  |
| 25   | 26                         | 27                                | 28                         | 29                                      |
| C. Keem<br>No. 1   |                            |                                   |                            |   |
| Iroquois<br>Gas Corp.  |                            |                                   |                            |   |
| Sheldon  | Java                       | Java                              | Java                       | Java                                    |
| 17,900' South<br>of 42° 45'  | 1,800' North<br>of 42° 40' | 400' North<br>of 42° 40'          | 4,200' South<br>of 42° 40' | 5,600' South<br>of 42° 40'              |
| 10,700' West<br>of 78° 25'   | 9,700' West<br>of 78° 25'  | 5,200' West<br>of 78° 25'         | 7,800' West<br>of 78° 25'  | 3,000' East<br>of 78° 20'               |
| 4/13/23  |                            |                                   |                            |   |
| 979'   | 1,224'                     | 1,160'                            | 1,148'                     | 1,740'                                  |
|  |                            |                                   |                            |   |
| 987'-1,154'  | 1,355'—                    | 1,253'-1,414'                     | 1,339'—                    | 1,990'-2,151'                           |
|  |                            |                                   |                            |   |
|  |                            |                                   |                            |   |
| 1,650'-2,029'  |                            | 1,588'-2,200'                     |                            | 2,753'-2,978'                           |
| 2,059'-2,157'  | 2,424'—                    | 2,323'-2,416'                     | 2,400'—                    | 3,129'-3,205'                           |
|  |                            |                                   |                            |   |
| N. P.  |                            |                                   |                            |   |
| 2,157'—  |                            |                                   |                            |   |
|  |                            |                                   |                            |   |
|  |                            |                                   |                            |   |
|  |                            |                                   |                            |   |
| 2,192'   | N. R.                      | 2,446'                            | N. R.                      | 3,205'                                  |
| Queenston  | Queenston                  | Queenston                         | Queenston                  | Queenston                               |
| Smoke at<br>1,790'. Black<br>water at<br>1,800'. Show<br>gas at 2,089'.<br>D. & A. | D. & A.                    | Clinton at<br>2,297'—.<br>D. & A. | D. & A.                    | Clinton at<br>3,083'-3,117'.<br>D. & A. |

| COUNTY         |                          | WYOMING  | WYOMING                 | WYOMING                 | WYOMING                 |
|----------------|--------------------------|--|-------------------------|-------------------------|-------------------------|
| QUADRANGLE     |                          | Arcade   | Arcade                  | Arcade                  | Arcade                  |
| MAP NUMBER     |                          | 30   | 31                      | 32                      | 33                      |
| NAME OF WELL   |                          |  |                         |                         |                         |
| OPERATOR       |                          | Iroquois Gas Corp.                               |                         |                         |                         |
| TOWNSHIP       |                          | Java   | Wethersfield            | Wethersfield            | Arcade                  |
| LATITUDE       |                          | 14,400' North of 42° 35'                         | 6,600' North of 42° 40' | 9,500' North of 42° 35' | 1,300' North of 42° 35' |
| LONGITUDE      |                          | 2,500' West of 78° 25'                           | 8,700' East of 78° 20'  | 2,200' West of 78° 15'  | 8,900' East of 78° 25'  |
| DATE COMPLETED |                          |  |                         |                         |                         |
| ELEVATION      |                          | 1,510'   | 1,580'                  | 1,794'                  | 1,665'                  |
| TULLY          |                          |  |                         |                         |                         |
| ONONDAGA       |                          | 1,828'–1,993'                                    | 1,733'—                 | 2,250'—                 | 2,144'–2,309'           |
| ORISKANY       |                          |  |                         |                         |                         |
| SALT ZONE      |                          |  |                         |                         |                         |
| LOCKPORT       |                          | 2,600'–2,782'                                    |                         |                         |                         |
| MEDINAN        | RED MEDINA (GRIMSBY)     | 2,918'–3,008'                                    | 2,873'—                 | 3,430'—                 | 3,278'–3,286'           |
|                | WHITE MEDINA (WHIRLPOOL) | N. P.  |                         |                         | N. P.                   |
| QUEENSTON      |                          | 3,008'—  |                         |                         | 3,278'—                 |
| OSWEGO         |                          | 3,985'–4,123'                                    |                         |                         |                         |
| TRENTON        |                          |  |                         |                         |                         |
| POTSDAM        |                          |  |                         |                         |                         |
| PRECAMBRIAN    |                          |  |                         |                         |                         |
| TOTAL DEPTH    |                          | 4,159'   | N. R.                   | N. R.                   | 3,404'                  |
| DEEPEST FM.    |                          | Ordovician                                       | Queenston               | Queenston               | Queenston               |
| REMARKS        |                          | Show gas at 950' (with 4 bbls. oil). D. & A. **p | D. & A.                 | Dry. D. & A.            | D. & A.                 |

| WYOMING                    | WYOMING                     | WYOMING   | WYOMING                     | WYOMING                    |
|----------------------------|-----------------------------|---|-----------------------------|----------------------------|
| Arcade                     | Arcade                      | Arcade  | Arcade                      | Arcade                     |
| 34                         | 35                          | 36  | 37                          | 38                         |
|                            |                             | M. J. Stearns<br>No. 1  |                             | J. Anderson<br>No. 1       |
|                            |                             |   |                             | Iroquois<br>Gas Corp.      |
| Arcade                     | Arcade                      | Arcade  | Arcade                      | Eagle                      |
| 4,900' South<br>of 42° 35' | 11,700' South<br>of 42° 35' | 9,500' North<br>of 42° 30'  | 12,100' North<br>of 42° 30' | 2,100' South<br>of 42° 35' |
| 6,900' East<br>of 78° 25'  | 4,800' West<br>of 78° 25'   | 2,400' East<br>of 78° 25'   | 1,500' West<br>of 78° 20'   | 11,500' West<br>of 78° 15' |
|                            |                             |   |                             |                            |
| 1,500'                     | 1,660'                      | 1,520' Topo.  | 1,860'                      | 1,820'                     |
|                            |                             |   |                             |                            |
| 2,130'-2,295'              | 2,152'—                     |   | 2,580'-2,718'               | 2,447'-2,589'              |
|                            |                             | 2,200'-2,224'   |                             |                            |
|                            |                             |   |                             |                            |
|                            |                             |   |                             | 3,250'-3,489'              |
| 3,285'-3,371'              | 3,268'—                     |   | 3,778'-3,870'               | 3,626'-3,714'              |
|                            |                             |   | N. P.                       |                            |
|                            |                             |   | 3,870'—                     | 3,714'—                    |
|                            |                             |   |                             |                            |
|                            |                             |   |                             |                            |
|                            |                             |   |                             |                            |
| 3,403'                     | N. R.                       | 2,405'  | 3,917'                      | 3,715'                     |
| Queenston                  | Queenston                   | Camillus  | Queenston                   | Queenston                  |
| D. & A.                    | D. & A.                     | Salt water at<br>2,405'. Gas at<br>730'-744' &<br>2,200'-2,224'.<br>P. & A. | D. & A.                     | D. & A.<br>**              |

| COUNTY         |                          | WYOMING   | WYOMING   | WYOMING  | WYOMING  |
|----------------|--------------------------|---|---|--|--|
| QUADRANGLE     |                          | Arcade  | Arcade  | Arcade   | Arcade   |
| MAP NUMBER     |                          | 39  | 40  | 41   | 42   |
| NAME OF WELL   |                          | Bliss Salt Well   | Fee No. 1   | Fee No. 2  | K. R. Wilson No. 1   |
| OPERATOR       |                          | Bliss Salt & Oil Co.  | Enos Miller   | Enos Miller  | K. R. Wilson   |
| TOWNSHIP       |                          | Eagle   | Arcade  | Arcade   | Arcade   |
| LATITUDE       |                          | 200' South of 42° 35' Est.                                    | 10,100' North of 42° 30'  | 10,300' North of 42° 30'   | 11,140' North of 42° 30'   |
| LONGITUDE      |                          | 750' West of 78° 15' Est.                                     | 8,500' West of 78° 25'  | 8,500' West of 78° 25'   | 1,850' West of 78° 25'   |
| DATE COMPLETED |                          | Before 1893   | 8/22/58   | 10/31/59   | 8/21/46  |
| ELEVATION      |                          | 1,729'  | 1,511' Grd.   | 1,508'   | 1,483' Grd.  |
| TULLY          |                          |   |   |  | 1,750'-1,769'  |
| ONONDAGA       |                          | 2,000'-2,100'   |   | 2,140'-2,287'  | 2,145'-2,274'  |
| ORISKANY       |                          | N. R.   | Horizon 2,278' -  | 2,287'-2,288'  | Horizon 2,274' -   |
| SALT ZONE      |                          | 2,900'-2,956'+  | 2,700' -  |  | 2,500'-2,777'  |
| LOCKPORT       |                          |   | 2,985'-3,119'   | 2,925' -   | 2,925'-3,144'  |
| MEDINAN        | RED MEDINA (GRIMSBY)     |   | 3,256'-3,324'   | 3,276'-3,344'  | 3,295'-3,346'  |
|                | WHITE MEDINA (WHIRLPOOL) |   | 3,324'-3,346'   | 3,344'-3,354'  | 3,346'-3,365'  |
| QUEENSTON      |                          |   | 3,346' -  | 3,354' -   | 3,365'-4,407'  |
| OSWEGO         |                          |   |   |  | 4,407'-4,524'  |
| TRENTON        |                          |   |   |  | 5,342'-6,109'  |
| POTSDAM        |                          |   |   |  | 6,968' -   |
| PRECAMBRIAN    |                          |   |   |  |  |
| TOTAL DEPTH    |                          | 2,956'  | 3,369'  | 3,401'   | 7,144'   |
| DEEPEST FM.    |                          | Camillus  | Queenston   | Queenston  | Potsdam  |
| REMARKS        |                          | Salt well. Gas show at 675' & 1,714'. Oil show at 1,300'. **P | Salt bed at 2,700'-2,730'. Clinton at 3,224'-3,256'. Gas shows at 700', 1,100' & 3,308'-3,312'. I. O. F. Est. 100 Mcf. a/s *P | Gas show at 480'. Black water at 3,000'. Gas at 3,350'-3,354'. D. & A. | Black water at 3,005'. Gas at 6,030' & 6,182'. Show of oil and gas at 5,994'. Salt water at 6,375'-6,395' & 7,040'. D. & A. * ** |



| ERIE                       | ERIE  | ERIE                               | ERIE  | ERIE  |
|----------------------------|---|------------------------------------|---|---|
| Springville                | Springville                                       | Springville                        | Springville   | Springville                                       |
| 1                          | 2   | 3                                  | 4   | 5   |
| W. Williamson<br>No. 1     | E. Smith<br>No. 1                                 | C. Adams<br>No. 1                  | F. Becker<br>No. 1  | N. Ramen<br>No. 1                                 |
| Iroquois<br>Gas Corp.      | Iroquois<br>Gas Corp.                             | Iroquois<br>Gas Corp.              | Iroquois<br>Gas Corp.   | Iroquois<br>Gas Corp.                             |
| Aurora                     | Aurora  | Aurora                             | Aurora  | Aurora  |
| 2,900' South<br>of 42° 45' | 1,400' South<br>of 42° 45'                        | 7,600' South<br>of 42° 45'         | 5,500' South<br>of 42° 45'  | 7,400' South<br>of 42° 45'                        |
| 6,700' East<br>of 78° 40'  | 2,000' West<br>of 78° 35'                         | 400' East<br>of 78° 40'            | 10,200' West<br>of 78° 35'  | 7,400' West<br>of 78° 35'                         |
| 1/1/14                     | 9/24/55   | 1/9/23                             | 11/12/55  | 2/20/56   |
| 940' Topo.                 | 1,100' Topo.                                      | 960' Topo.                         | 1,105' Topo.  | 1,110' Topo.                                      |
|                            |   |                                    |   |   |
| 810'–970'                  | 950'–1,110'                                       | 801'–965'                          | 994'–1,165'   | 1,012'–1,175'                                     |
|                            |   |                                    |   |   |
|                            |   |                                    |   |   |
| 1,420'–1,730'              | 1,620'–1,887'                                     | 1,450'–1,714'                      | 1,640'–1,908'   | 1,600'–1,948'                                     |
| 1,748'–1,815'              | 1,910'–2,020'                                     | 1,742'–1,821'                      | 1,944'–2,053'   | 1,978'–2,085'                                     |
| 1,822'–1,864'              |   | 1,828'–1,848'                      |   |   |
| 1,864' –                   |   | 1,848' –                           |   |   |
|                            |   |                                    |   |   |
|                            |   |                                    |   |   |
|                            |   |                                    |   |   |
|                            |   |                                    |   |   |
| 1,874'                     | 2,057'  | 1,864'                             | 2,093'  | 2,120'  |
| Queenston                  | Queenston   | Queenston                          | Queenston   | Queenston   |
| D. & A.                    | Smoke and<br>black water<br>at 1,669'.<br>D. & A. | Show of<br>shallow gas.<br>D. & A. | Smoke and<br>black water<br>at 1,716'.<br>Show gas<br>983' & 2,044'.<br>D. & A. | Smoke and<br>black water<br>at 1,726'.<br>D. & A. |

| COUNTY         |                                | ERIE   | ERIE   | ERIE   | ERIE  |
|----------------|--------------------------------|--|--|--|---|
| QUADRANGLE     |                                | Springville  | Springville  | Springville  | Springville                                       |
| MAP NUMBER     |                                | 6  | 7  | 8  | 9   |
| NAME OF WELL   |                                | S. Blakely<br>No. 1  | C. Hitchings<br>No. 1  | A. Weeks<br>No. 1  | T. Holmes<br>No. 1                                |
| OPERATOR       |                                | Iroquois<br>Gas Corp.  | Iroquois<br>Gas Corp.  | Iroquois<br>Gas Corp.  | Iroquois<br>Gas Corp.                             |
| TOWNSHIP       |                                | Aurora   | Aurora   | Aurora   | Aurora  |
| LATITUDE       |                                | 5,600' South<br>of 42° 45'   | 5,400' South<br>of 42° 45'                                     | 9,000' South<br>of 42° 45'   | 8,500' South<br>of 42° 45'                        |
| LONGITUDE      |                                | 4,900' West<br>of 78° 35'  | 500' East<br>of 78° 35'  | 3,100' West<br>of 78° 35'  | 200' East<br>of 78° 35'                           |
| DATE COMPLETED |                                | 10/8/55  | 10/15/53   | 10/22/55   | 11/9/55   |
| ELEVATION      |                                | 920' Topo.   | 1,180' Topo.   | 840' Topo.   | 1,130' Topo.                                      |
| TULLY          |                                |  |  |  |   |
| ONONDAGA       |                                | 800'-960'  | 1,098'-1,263'  | 860'-1,025'  | 965'-1,128'                                       |
| ORISKANY       |                                |  |  |  |   |
| SALT ZONE      |                                |  |  |  |   |
| LOCKPORT       |                                | 1,450'-1,737'  | 1,800'-2,052'  | 1,547'-1,830'  | 1,648'-1,945'                                     |
| MEDINAN        | RED<br>MEDINA<br>(GRIMSBY)     | 1,766'-1,879'  | 2,086'-2,195'  | 1,856'-1,945'  | 1,974'-2,077'                                     |
|                | WHITE<br>MEDINA<br>(WHIRLPOOL) |  |  | 1,948'-1,962'  |   |
| QUEENSTON      |                                |  |  | 1,962'—  |   |
| OSWEGO         |                                |  |  |  |   |
| TRENTON        |                                |  |  |  |   |
| POTSDAM        |                                |  |  |  |   |
| PRECAMBRIAN    |                                |  |  |  |   |
| TOTAL DEPTH    |                                | 1,914'   | 2,222'   | 2,002'   | 2,107'  |
| DEEPEST FM.    |                                | Queenston  | Queenston  | Queenston  | Queenston   |
| REMARKS        |                                | Smoke at 1,514'.<br>Gas and salt<br>water at<br>1,868'-1,870'.<br>I. O. F. 66 Mcf.<br>I. R. P. 666<br>Lbs. (66 hrs.).<br>P. & A. | Gas at 1,263'<br>(102 Mcf.).<br>Water at<br>1,865'.<br>P. & A. | Smoke at 1,615'.<br>Black water<br>at 1,620'. Show<br>gas 1,904'.<br>(35 Mcf.).<br>D. & A. | Smoke and<br>black water<br>at 1,736'.<br>D. & A. |

| ERIE                              | ERIE  | ERIE                                     | ERIE                        | ERIE                        |
|-----------------------------------|---|--|-----------------------------|-----------------------------|
| Springville                       | Springville   | Springville                              | Springville                 | Springville                 |
| 10                                | 11  | 12                                       | 13                          | 14                          |
| H. Hatmaker<br>No. 1              | W. Smith<br>No. 1   | F. Poeller<br>No. 1                      | J. Underhill<br>No. 1       | C. Bragg<br>No. 1           |
| Iroquois<br>Gas Corp.             | Iroquois<br>Gas Corp.   | Iroquois<br>Gas Corp.                    | Iroquois<br>Gas Corp.       | Iroquois<br>Gas Corp.       |
| Aurora                            | Aurora  | Aurora                                   | Aurora                      | Aurora                      |
| 15,500' South<br>of 42° 45'       | 14,200' South<br>of 42° 45'   | 13,600' South<br>of 42° 45'              | 14,100' South<br>of 42° 45' | 11,500' South<br>of 42° 45' |
| 1,300' West<br>of 78° 40'         | 3,000' East<br>of 78° 40'   | 4,800' East<br>of 78° 40'                | 8,100' East<br>of 78° 40'   | 8,800' West<br>of 78° 35'   |
| 3/27/28                           |   | 6/12/28                                  | 2/4/54                      | 5/15/23                     |
| 1,030' Topo.                      | 1,175' Topo.  | 1,205' Topo.                             | 1,215' Topo.                | 1,194'                      |
|                                   |   |  |                             |                             |
| 1,054'–1,214'                     | 1,105'–1,275'   | 1,143'–1,307'                            | 1,221'–1,379'               | 1,148'–1,318'               |
|                                   |   |  |                             |                             |
|                                   |   |  |                             |                             |
| 1,687'–1,967'                     | 1,650'–1,880'   | 1,790'–1,995'                            | 1,870'–2,140'               | 1,770'–2,076'               |
| 1,992'–2,077'                     | 2,066' –  | 2,098' –                                 | 2,166'–2,261'               | 2,108'–2,213'               |
| 2,082'–2,110'                     |   |  | 2,264'–2,275'               | N. P.                       |
|                                   |   |  | 2,275' –                    | 2,213' –                    |
|                                   |   |  |                             |                             |
|                                   |   |  |                             |                             |
|                                   |   |  |                             |                             |
|                                   |   |  |                             |                             |
| 2,125'                            | 2,182'  | 2,210'                                   | 2,305'                      | 2,225'                      |
| Queenston                         | Queenston   | Queenston                                | Queenston                   | Queenston                   |
| Show gas at<br>2,032'.<br>D. & A. | Smoke at 1,780'.<br>Black water<br>at 1,795'. Gas<br>at 2,171'.<br>I. O. F. 2,500<br>Mcf. | Gas at 2,194'.<br>I. O. F. 1,532<br>Mcf. | Storage well.               | D. & A.                     |

| COUNTY         |                                | ERIE  | ERIE  | ERIE  | ERIE  |
|----------------|--------------------------------|---|---|---|---|
| QUADRANGLE     |                                | Springville                                       | Springville   | Springville   | Springville   |
| MAP NUMBER     |                                | 15  | 16  | 17  | 18  |
| NAME OF WELL   |                                | P. Schaffer<br>No. 1                              | Hibbard<br>No. 1  | W. Byers<br>No. 1   | R. Hill<br>No. 1  |
| OPERATOR       |                                | Iroquois<br>Gas Corp.                             | Iroquois<br>Gas Corp.   | Iroquois<br>Gas Corp.   | Iroquois<br>Gas Corp.   |
| TOWNSHIP       |                                | Aurora  | Aurora  | Aurora  | Wales   |
| LATITUDE       |                                | 19,600' South<br>of 42° 45'                       | 17,400' South<br>of 42° 45'   | 16,500' South<br>of 42° 45'   | 1,800' South<br>of 42° 45'  |
| LONGITUDE      |                                | 2,200' West<br>of 78° 40'                         | 5,000' East<br>of 78° 40'   | 1,500' West<br>of 78° 35'   | 19,700' West<br>of 78° 30'  |
| DATE COMPLETED |                                | 11/17/53  | 7/6/29  | 1/14/56   | 8/21/52   |
| ELEVATION      |                                | 1,180' Topo.                                      | 1,280' Topo.  | 1,140' Topo.  | 1,280' Topo.  |
| TULLY          |                                |   |   |   |   |
| ONONDAGA       |                                | 1,146'-1,308'                                     | 1,282'-1,438'   | 1,050'-1,226'   | 1,013'-1,169'   |
| ORISKANY       |                                |   |   |   |   |
| SALT ZONE      |                                |   |   |   |   |
| LOCKPORT       |                                | 1,800'-2,070'                                     | 1,913'-2,213'   | 1,764'-2,052'   | 1,672'-1,962'   |
| MEDINAN        | RED<br>MEDINA<br>(GRIMSBY)     | 2,095'-2,177'                                     | 2,235'-2,317'   | 2,067'-2,155'   | 1,986'-2,098'   |
|                | WHITE<br>MEDINA<br>(WHIRLPOOL) | 2,182'-2,196'                                     | 2,320'-2,343'   | 2,158'-2,176'   |   |
| QUEENSTON      |                                | 2,196'—   | 2,343'—   | 2,176'—   |   |
| OSWEGO         |                                |   |   |   |   |
| TRENTON        |                                |   |   |   |   |
| POTSDAM        |                                |   |   |   |   |
| PRECAMBRIAN    |                                |   |   |   |   |
| TOTAL DEPTH    |                                | 2,232'  | 2,353'  | 2,207'  | N. R.   |
| DEEPEST FM.    |                                | Queenston   | Queenston   | Queenston   | Queenston?  |
| REMARKS        |                                | Smoke and<br>black water<br>at 1,860'.<br>D. & A. | Gas at<br>2,327'-2,339'.<br>I. O. F. 3,813<br>Mcf. I. R. P.<br>350 Lbs.<br>(48 hrs.). | Smoke and<br>black water<br>at 1,820'.<br>Show gas at<br>2,167'.<br>D. & A. | Smoke and<br>black water<br>at 1,745'. Gas<br>at 1,166'.<br>(17 Mcf.).<br>D. & A. |



| ERIE  | ERIE                       | ERIE   | ERIE                       | ERIE  |
|---|----------------------------|--|----------------------------|---|
| Springville   | Springville                | Springville  | Springville                | Springville                                       |
| 19  | 20                         | 21   | 22                         | 23  |
| D. Guard<br>No. 1   | A. Foss<br>No. 1           | H. Roth<br>No. 1   | J. Merlan<br>No. 1         | W. Ostrander<br>No. 2                             |
| Iroquois<br>Gas Corp.   |                            | Iroquois<br>Gas Corp.  | Iroquois<br>Gas Corp.      | Iroquois<br>Gas Corp.                             |
| Wales   | Wales                      | Wales  | Wales                      | Wales   |
| 2,100' South<br>of 42° 45'  | 2,000' South<br>of 42° 45' | 2,000' South<br>of 42° 45'   | 2,600' South<br>of 42° 45' | 5,200' South<br>of 42° 45'                        |
| 15,100' West<br>of 78° 30'  | 10,700' West<br>of 78° 30' | 6,350' West<br>of 78° 30'  | 2,000' West<br>of 78° 30'  | 16,300' West<br>of 78° 30'                        |
| 11/3/55   | 4/15/52                    | 11/16/51   | 5/12/23                    | 9/4/52  |
| 1,160' Topo.  | 1,185' Topo.               | 1,155' Topo.   | 1,062'                     | 1,235' Topo.                                      |
|   |                            |  |                            |   |
| 1,034'-1,198'   | 945'-1,109'                | 1,000'-1,168'  | 901'-1,061'                | 1,143'-1,300'                                     |
|   |                            |  |                            |   |
|   |                            |  |                            |   |
| 1,705'-1,985'   | 1,624'-1,917'              | 1,718'-2,010'  | 1,594'-1,900'              | 1,815'-2,102'                                     |
| 2,014'-2,123'   | 1,949'-2,053'              | 2,038'-2,153'  | 1,929'-2,037'              | 2,131'-2,237'                                     |
|   |                            |  |                            |   |
|   |                            |  |                            |   |
|   |                            |  |                            |   |
|   |                            |  |                            |   |
|   |                            |  |                            |   |
|   |                            |  |                            |   |
| 2,154'  | N. R.                      | 2,171'   | 2,049'                     | N. R.   |
| Queenston   | Queenston?                 | Queenston  | Queenston                  | Queenston?  |
| Smoke and<br>black water<br>at 1,770'.<br>Show gas at<br>2,056'.<br>D. & A. | D. & A.                    | Smoke and<br>black water<br>at 1,791'.<br>Show gas at<br>95', 475' &<br>698'.<br>D. & A. | D. & A.                    | Smoke and<br>black water<br>at 1,888'.<br>D. & A. |

| COUNTY         |                                | ERIE                       | ERIE  | ERIE                              | ERIE  |
|----------------|--------------------------------|----------------------------|---|-----------------------------------|---|
| QUADRANGLE     |                                | Springville                | Springville                                       | Springville                       | Springville                                       |
| MAP NUMBER     |                                | 24                         | 25  | 26                                | 27  |
| NAME OF WELL   |                                | G. Whipple<br>No. 1        | W. Ostrander<br>No. 1                             | A. Webor                          | G. Whipple<br>No. 2                               |
| OPERATOR       |                                | Iroquois<br>Gas Corp.      | Iroquois<br>Gas Corp.                             | Iroquois<br>Gas Corp.             | Iroquois<br>Gas Corp.                             |
| TOWNSHIP       |                                | Wales                      | Wales   | Wales                             | Wales   |
| LATITUDE       |                                | 5,500' South<br>of 42° 45' | 7,700' South<br>of 42° 45'                        | 7,500' South<br>of 42° 45'        | 8,000' South<br>of 42° 45'                        |
| LONGITUDE      |                                | 6,700' West<br>of 78° 30'  | 16,500' West<br>of 78° 30'                        | 12,600' West<br>of 78° 30'        | 7,250' West<br>of 78° 30'                         |
| DATE COMPLETED |                                | 10/23/53                   | 7/22/52   | 3/13/53                           | 2/4/54  |
| ELEVATION      |                                | 1,305' Topo.               | 1,290' Topo.                                      | 1,085' Topo.                      | 1,285' Topo.                                      |
| TULLY          |                                |                            |   |                                   |   |
| ONONDAGA       |                                | 1,165'-1,322'              | 1,177'-1,347'                                     | 981'-1,148'                       | 1,180'-1,350'                                     |
| ORISKANY       |                                |                            |   |                                   |   |
| SALT ZONE      |                                |                            |   |                                   |   |
| LOCKPORT       |                                | 1,880'-2,165'              | 1,860'-2,160'                                     | 1,698'-1,975'                     | 1,905'-2,200'                                     |
| MEDINAN        | RED<br>MEDINA<br>(GRIMSBY)     | 2,198'-2,300'              | 2,190'-2,296'                                     | 2,001'-2,118'                     | 2,228'-2,323'                                     |
|                | WHITE<br>MEDINA<br>(WHIRLPOOL) |                            |   |                                   |   |
| QUEENSTON      |                                |                            |   |                                   |   |
| OSWEGO         |                                |                            |   |                                   |   |
| TRENTON        |                                |                            |   |                                   |   |
| POTSDAM        |                                |                            |   |                                   |   |
| PRECAMBRIAN    |                                |                            |   |                                   |   |
| TOTAL DEPTH    |                                | 2,328'                     | 2,326'  | N. R.                             | 2,355'  |
| DEEPEST FM.    |                                | Queenston                  | Queenston   | Queenston?                        | Queenston   |
| REMARKS        |                                | D. & A.                    | Smoke and<br>black water<br>at 1,970'.<br>D. & A. | Show gas at<br>2,098'.<br>D. & A. | Smoke and<br>black water<br>at 1,970'.<br>D. & A. |

| ERIE  | ERIE  | ERIE                                 | ERIE                        | ERIE  |
|---|---|--------------------------------------|-----------------------------|---|
| Springville                                       | Springville   | Springville                          | Springville                 | Springville   |
| 28  | 29  | 30                                   | 31                          | 32  |
| J. Goldman<br>No. 1                               | L. Yocum<br>No. 1   | G. Earle<br>No. 1                    | E. Foss<br>No. 1            | L. Cranston<br>No. 1  |
| Iroquois<br>Gas Corp.                             | Iroquois<br>Gas Corp.   | Iroquois<br>Gas Corp.                | Iroquois<br>Gas Corp.       | Iroquois<br>Gas Corp.                                       |
| Wales   | Wales   | Wales                                | Wales                       | Wales   |
| 8,100' South<br>of 42° 45'                        | 11,500' South<br>of 42° 45'   | 10,450' South<br>of 42° 45'          | 11,400' South<br>of 42° 45' | 13,300' South<br>of 42° 45'                                 |
| 1,700' West<br>of 78° 30'                         | 15,200' West<br>of 78° 30'  | 8,300' West<br>of 78° 30'            | 2,000' West<br>of 78° 30'   | 11,200' West<br>of 78° 30'                                  |
| 5/17/52   | 12/12/52  | 8/7/23                               | 3/11/25                     | 10/22/55  |
| 1,250' Topo.                                      | 1,345' Topo.  | 1,131'                               | 1,405'                      | 1,265' Topo.  |
|   |   |                                      |                             |   |
| 1,186'-1,351'                                     | 1,269'-1,434'   | 1,010'-1,170'                        | 1,292'-1,458'               | 1,221'-1,388'   |
|   |   |                                      |                             |   |
|   |   |                                      |                             |   |
| 1,900'-2,193'                                     | 1,950'-2,253'   |                                      | 2,015'-2,321'               | 1,955'-2,235'   |
| 2,223'-2,328'                                     | 2,284'-2,398'   | 2,066'-2,163'                        | 2,351'-2,443'               | 2,269'-2,350'   |
|   |   |                                      |                             | 2,355'-2,375'   |
|   |   |                                      |                             | 2,375'—   |
|   |   |                                      |                             |   |
|   |   |                                      |                             |   |
|   |   |                                      |                             |   |
|   |   |                                      |                             |   |
| 2,358'  | 2,425'  | 2,177'                               | 2,459'                      | 2,407'  |
| Queenston   | Queenston   | Queenston                            | Queenston                   | Queenston   |
| Smoke and<br>black water<br>at 1,992'.<br>D. & A. | Smoke and<br>black water<br>at 2,017'.<br>Show gas at<br>2,325'.<br>D. & A. | Show gas at<br>595'-601'.<br>D. & A. | D. & A.                     | Smoke at<br>2,015'. Black<br>water at<br>2,020'.<br>D. & A. |

| COUNTY         |                                | ERIE                           | ERIE                           | ERIE   | ERIE                        |
|----------------|--------------------------------|--------------------------------|--------------------------------|--|-----------------------------|
| QUADRANGLE     |                                | Springville                    | Springville                    | Springville  | Springville                 |
| MAP NUMBER     |                                | 33                             | 34                             | 35   | 36                          |
| NAME OF WELL   |                                | Raiber<br>No. 2                | W. Smith<br>No. 1              | R. Raiber<br>No. 2   | R. Raiber<br>No. 4          |
| OPERATOR       |                                | Iroquois<br>Gas Corp.          | Iroquois<br>Gas Corp.          | Iroquois<br>Gas Corp.  | Iroquois<br>Gas Corp.       |
| TOWNSHIP       |                                | Wales                          | Wales                          | Wales  | Wales                       |
| LATITUDE       |                                | 13,500' South<br>of 42° 45'    | 16,300' South<br>of 42° 45'    | 14,600' South<br>of 42° 45'  | 16,500' South<br>of 42° 45' |
| LONGITUDE      |                                | 6,500' West<br>of 78° 30'      | 12,800' West<br>of 78° 30'     | 3,650' West<br>of 78° 30'  | 3,000' West<br>of 78° 30'   |
| DATE COMPLETED |                                | 3/25/35                        | 6/26/26                        | 3/31/24  | 5/21/24                     |
| ELEVATION      |                                | 1,285' Topo.                   | 1,419'                         | 1,169'   | 1,410'                      |
| TULLY          |                                |                                |                                |  |                             |
| ONONDAGA       |                                | 1,070'-1,235'                  | 1,350'-1,510'                  | 1,126'-1,294'  | 1,327'-1,492'               |
| ORISKANY       |                                |                                |                                |  |                             |
| SALT ZONE      |                                |                                |                                |  |                             |
| LOCKPORT       |                                | 1,785'-2,089'                  | 1,975'-2,225'                  | 1,785'-2,176'  | 2,096'-2,386'               |
| MEDINAN        | RED<br>MEDINA<br>(GRIMSBY)     | 2,120'-2,218'                  | 2,389'-2,496'                  | 2,206'-2,304'  | 2,408'-2,508'               |
|                | WHITE<br>MEDINA<br>(WHIRLPOOL) |                                |                                |  | N. P.                       |
| QUEENSTON      |                                |                                |                                |  | 2,508'—                     |
| OSWEGO         |                                |                                |                                |  |                             |
| TRENTON        |                                |                                |                                |  |                             |
| POTSDAM        |                                |                                |                                |  |                             |
| PRECAMBRIAN    |                                |                                |                                |  |                             |
| TOTAL DEPTH    |                                | 2,233'                         | 2,509'                         | 2,334'   | 2,531'                      |
| DEEPEST FM.    |                                | Queenston                      | Queenston                      | Queenston  | Queenston                   |
| REMARKS        |                                | Smoke at<br>1,896'.<br>D. & A. | Smoke at<br>2,100'.<br>D. & A. | Gas at 2,292'.<br>I. O. F. 74<br>Mcf. I. R. P.<br>725 Lbs.<br>(12 hrs.). | D. & A.                     |



| ERIE  | ERIE  | ERIE   | ERIE  | ERIE                       |
|---|---|--|---|----------------------------|
| Springville   | Springville   | Springville                                      | Springville                                       | Springville                |
| 37  | 38  | 39   | 40  | 41                         |
| R. Raiber<br>No. 3  | R. Raiber<br>No. 1  | K. Stephans<br>No. 1                             | L. Fleischman<br>No. 1                            | Winch &<br>Faithist No. 1  |
| Iroquois<br>Gas Corp.   | Iroquois<br>Gas Corp.   | Iroquois<br>Gas Corp.                            | Iroquois<br>Gas Corp.                             | Iroquois<br>Gas Corp.      |
| Wales   | Wales   | Wales  | Boston  | Boston                     |
| 19,500' South<br>of 42° 45'   | 18,600' South<br>of 42° 45'   | 19,500' South<br>of 42° 45'                      | 10,500' North<br>of 42° 40'                       | 7,500' North<br>of 42° 40' |
| 5,700' West<br>of 78° 30'   | 4,100' West<br>of 78° 30'   | 900' West<br>of 78° 30'                          | 11,800' East<br>of 78° 45'                        | 4,800' East<br>of 78° 45'  |
| 4/9/24  | 12/9/23   | 8/11/25  | 10/31/34  | 9/21/45                    |
| 1,335'  | 1,167'  | 1,464'   | 1,180' Topo.                                      | 1,330' Topo.               |
|   |   |  |   |                            |
| 1,269'–1,420'   | 1,109'–1,276'   | 1,440'–1,610'                                    | 1,262'–1,427'                                     | 1,351'–1,531'              |
|   |   |  |   |                            |
|   |   |  |   |                            |
| 2,020'–2,333'   | 1,780'–2,152'   | 2,168'–2,483'                                    | 1,874'–2,184'                                     | 1,960'–2,286'              |
| 2,337'–2,452'   | 2,184'–2,287'   | 2,513'–2,609'                                    | 2,208'–2,291'                                     | 2,312'–2,394'              |
|   | N. P.   |  | 2,300'– 2,318'                                    | 2,410'–2,430'              |
|   | 2,287' –  |  | 2,318' –  | 2,430' –                   |
|   |   |  |   |                            |
|   |   |  |   |                            |
|   |   |  |   |                            |
|   |   |  |   |                            |
| 2,475'  | 2,292'  | 2,629'   | 2,340'  | 2,440'                     |
| Queenston   | Queenston   | Queenston  | Queenston   | Queenston                  |
| Gas at<br>2,437'–2,439'.<br>I. O. F. 171<br>Mcf. I. R. P.<br>710 Lbs.<br>(48 hrs.). | Gas at<br>2,269'–2,271'.<br>I. O. F. 249<br>Mcf. I. R. P.<br>735 Lbs.<br>(63 hrs.). | Gas at<br>2,596'–2,599'.<br>I. O. F. 268<br>Mcf. | Smoke and<br>black water<br>at 1,974'.<br>D. & A. | D. & A.                    |

| COUNTY         |                                | ERIE  | ERIE  | ERIE  | ERIE                       |
|----------------|--------------------------------|---|---|---|----------------------------|
| QUADRANGLE     |                                | Springville                                       | Springville   | Springville   | Springville                |
| MAP NUMBER     |                                | 42  | 43  | 44  | 45                         |
| NAME OF WELL   |                                | O. Grundel<br>No. 1                               | A. Grundel<br>No. 1                                     | H. & C.<br>Wohlhueter No. 1   | N. Heichberger<br>No. 1    |
| OPERATOR       |                                | Iroquois<br>Gas Corp.                             | Iroquois<br>Gas Corp.                                   | Iroquois<br>Gas Corp.   | Iroquois<br>Gas Corp.      |
| TOWNSHIP       |                                | Boston  | Boston  | Boston  | Boston                     |
| LATITUDE       |                                | 5,800' North<br>of 42° 40'                        | 3,700' North<br>of 42° 40'                              | 2,500' North<br>of 42° 40'  | 400' South<br>of 42° 40'   |
| LONGITUDE      |                                | 7,200' East<br>of 78° 45'                         | 9,200' East<br>of 78° 45'                               | 10,400' East<br>of 78° 45'  | 10,300' East<br>of 78° 45' |
| DATE COMPLETED |                                | 11/24/31  | 9/15/31   | 8/23/33   | 9/26/33                    |
| ELEVATION      |                                | 1,455' Topo.                                      | 1,520' Topo.  | 1,535' Topo.  | 1,595' Topo.               |
| TULLY          |                                |   |   |   |                            |
| ONONDAGA       |                                | 1,492'-1,665'                                     | 1,557'-1,722'   | 1,618'-1,788'   | 1,665'-1,830'              |
| ORISKANY       |                                |   |   |   |                            |
| SALT ZONE      |                                |   |   |   |                            |
| LOCKPORT       |                                | 2,124'-2,421'                                     | 2,175'-2,478'   | 2,230'-2,538'   | 2,295'-2,591'              |
| MEDINAN        | RED<br>MEDINA<br>(GRIMSBY)     | 2,448'-2,525'                                     | 2,500'-2,593'   | 2,564'-2,645'   | 2,616'-2,698'              |
|                | WHITE<br>MEDINA<br>(WHIRLPOOL) | 2,540'-2,555'                                     | 2,600' —  | 2,656'-2,676'   | 2,705'-2,726'              |
| QUEENSTON      |                                | 2,555' —  |   | 2,676' —  | 2,726' —                   |
| OSWEGO         |                                |   |   |   |                            |
| TRENTON        |                                |   |   |   |                            |
| POTSDAM        |                                |   |   |   |                            |
| PRECAMBRIAN    |                                |   |   |   |                            |
| TOTAL DEPTH    |                                | 2,583'  | 2,646'  | 2,696'  | 2,733'                     |
| DEEPEST FM.    |                                | Queenston   | Queenston   | Queenston   | Queenston                  |
| REMARKS        |                                | Smoke and<br>black water<br>at 2,204'.<br>D. & A. | I. O. F. 116<br>Mcf. I. R. P.<br>640 Lbs.<br>(48 hrs.). | Smoke and<br>black water<br>at 2,336'.<br>Show gas at<br>2,666' &<br>2,670'.<br>D. & A. | D. & A.                    |

| ERIE   | ERIE  | ERIE                       | ERIE   | ERIE   |
|--|---|----------------------------|--|--|
| Springville  | Springville   | Springville                | Springville  | Springville  |
| 46   | 47  | 48                         | 49   | 50   |
| J. Cary  | C. Churchill<br>No. 1                                 | W. Schmidt<br>No. 1        | C. Andrews<br>No. 3  | N. Wilson<br>No. 1   |
| Iroquois<br>Gas Corp.  | Iroquois<br>Gas Corp.                                 | Iroquois<br>Gas Corp.      | Iroquois<br>Gas Corp.  | Iroquois<br>Gas Corp.  |
| Boston   | Boston  | Boston                     | Boston   | Boston   |
| 6,000' South<br>of 42° 40'   | 9,300' South<br>of 42° 40'                            | 7,500' South<br>of 42° 40' | 8,900' South<br>of 42° 40'   | 11,500' South<br>of 42° 40'  |
| 400' East<br>of 78° 45'  | 2,100' East<br>of 78° 45'                             | 9,400' East<br>of 78° 45'  | 11,100' East<br>of 78° 45'   | 4,800' East<br>of 78° 45'  |
| 9/16/55  | 3/26/27   | 9/7/33                     | 11/14/33   | 3/15/39  |
| 870' Topo.   | 880' Topo.  | 1,625' Topo.               | 1,350' Topo.   | 1,040' Topo.   |
|  |   |                            |  |  |
| 966'-1,138'  | 1,032'-1,192'   | 1,740'-1,960'              | 1,477'-1,642'  | 1,151'-1,321'  |
|  |   |                            |  |  |
|  |   |                            |  |  |
| 1,588'-1,894'  | 1,672'-1,972'   | 2,360'-2,670'              | 2,112'-2,406'  | 1,821'-2,101'  |
| 1,921'-2,008'  | 1,999'-2,085'   | 2,696'-2,776'              | 2,435'-2,514'  | 2,125'-2,206'  |
|  |   |                            |  |  |
| 2,018'-2,033'  | 2,097'-2,119'   | 2,787'-2,809'              | 2,521'-2,542'  | 2,220'-2,240'  |
| 2,033'—  | 2,119'—   | 2,809'—                    | 2,542'—  | 2,240'—  |
|  |   |                            |  |  |
|  |   |                            |  |  |
|  |   |                            |  |  |
|  |   |                            |  |  |
| 2,060'   | 2,126'  | 2,820'                     | 2,596'   | 2,250'   |
| Queenston  | Queenston   | Queenston                  | Queenston  | Queenston  |
| Smoke and<br>black water<br>at 1,648'. Gas<br>at 2,030'—<br>2,033'.<br>Storage well. | Smoke at<br>1,755'. Show<br>gas at 2,036'.<br>D. & A. | Gas at 2,795'.<br>D. & A.  | Smoke and<br>black water<br>at 2,192'. Gas<br>at 2,536'—<br>2,537'. I. O. F.<br>166 Mcf. | Smoke and<br>black water<br>at 1,888'.<br>Gas at 2,227'.<br>60 Mcf.<br>P. & A. |

| COUNTY         |                                | ERIE   | ERIE   | ERIE  | ERIE                        |
|----------------|--------------------------------|--|--|---|-----------------------------|
| QUADRANGLE     |                                | Springville  | Springville  | Springville   | Springville                 |
| MAP NUMBER     |                                | 51   | 52   | 53  | 54                          |
| NAME OF WELL   |                                | C. Andrews<br>No. 2  | A. Jennings<br>No. 1   | B. Kaczar<br>No. 1  | S. Godlaska<br>No. 1        |
| OPERATOR       |                                | Iroquois<br>Gas Corp.  | Iroquois<br>Gas Corp.  | Iroquois<br>Gas Corp.   | Iroquois<br>Gas Corp.       |
| TOWNSHIP       |                                | Boston   | Boston   | Boston  | Boston                      |
| LATITUDE       |                                | 11,800' South<br>of 42° 40'  | 16,000' South<br>of 42° 40'                                    | 14,600' South<br>of 42° 40'   | 15,000' South<br>of 42° 40' |
| LONGITUDE      |                                | 10,600' East<br>of 78° 45'   | 2,200' East<br>of 78° 45'                                      | 7,600' East<br>of 78° 45'   | 12,100' East<br>of 78° 45'  |
| DATE COMPLETED |                                | 10/21/32   | 8/8/27   | 10/26/26  | 2/1/34                      |
| ELEVATION      |                                | 1,315' Topo.   | 1,040' Topo.   | 1,178'  | 1,160' Topo.                |
| TULLY          |                                |  |  |   |                             |
| ONONDAGA       |                                | 1,420'–1,590'  | 1,260'–1,425'  | 1,339'–1,515'   | 1,300'–1,470'               |
| ORISKANY       |                                |  |  |   |                             |
| SALT ZONE      |                                |  |  |   |                             |
| LOCKPORT       |                                | 2,060'–2,353'  | 1,925'–2,186'  | 2,015'–2,287'   | 1,955'–2,256'               |
| MEDINAN        | RED<br>MEDINA<br>(GRIMSBY)     | 2,382'–2,463'  | 2,213'–2,300'  | 2,312'–2,402'   | 2,284'–2,366'               |
|                | WHITE<br>MEDINA<br>(WHIRLPOOL) | 2,470'–2,494'  | 2,326'–2,343'  | 2,405'–2,531'   | 2,373'–2,399'               |
| QUEENSTON      |                                | 2,494' –   | 2,343' –   | 2,531' –  | 2,399' –                    |
| OSWEGO         |                                |  |  |   |                             |
| TRENTON        |                                |  |  |   |                             |
| POTSDAM        |                                |  |  |   |                             |
| PRECAMBRIAN    |                                |  |  |   |                             |
| TOTAL DEPTH    |                                | 2,572'   | 2,353'   | 2,462'  | 2,426'                      |
| DEEPEST FM.    |                                | Queenston  | Queenston  | Queenston   | Queenston                   |
| REMARKS        |                                | Smoke and<br>black water<br>at 2,140'.<br>Gas at<br>2,484'–2,488'.<br>190 Mcf. | Black water<br>at 1,998'.<br>Show gas at<br>2,327'.<br>D. & A. | Gas at<br>2,411'–2,415'.<br>I. O. F. 147<br>Mcf. I. R. P.<br>775 Lbs. | D. & A.                     |



| ERIE  | ERIE  | ERIE   | ERIE  | ERIE  |
|---|---|--|---|---|
| Springville   | Springville                                     | Springville  | Springville   | Springville                                       |
| 55  | 56  | 57   | 58  | 59  |
| H. Emerling<br>No. 1  | W. Jennings<br>No. 1                            | D. Webster<br>No. 1                                  | W. Millerville<br>No. 1   | V. Sitarek<br>No. 1                               |
| Iroquois<br>Gas Corp.   | Iroquois<br>Gas Corp.                           | Iroquois<br>Gas Corp.                                | Iroquois<br>Gas Corp.   | Iroquois<br>Gas Corp.                             |
| Boston  | Boston  | Aurora   | Colden  | Colden  |
| 18,200' South<br>of 42° 40'   | 16,700' South<br>of 42° 40'                     | 10,850' North<br>of 42° 40'                          | 8,650' North<br>of 42° 40'  | 5,850' North<br>of 42° 40'                        |
| 4,100' East<br>of 78° 45'   | 7,400' East<br>of 78° 45'                       | 10,700' East<br>of 78° 40'                           | 8,600' West<br>of 78° 35'   | 450' East<br>of 78° 40'                           |
| 10/8/55   | 3/8/27  | 10/27/30   | 9/25/30   | 3/16/31   |
| 990' Topo.  | 1,065' Topo.                                    | 1,435' Topo.   | 1,480' Topo.  | 1,350' Topo.                                      |
|   |   |  |   |   |
| 1,195'-1,365'   | 1,186'-1,390'                                   | 1,426'-1,586'  | 1,493'-1,648'   | 1,390'-1,555'                                     |
|   |   |  |   |   |
|   |   |  |   |   |
| 1,855'-2,134'   | 1,865'-2,134'                                   | 2,080'-2,285'  | 2,160'-2,469'   | 2,050'-2,325'                                     |
| 2,164'-2,249'   | 2,165'-2,240'                                   | 2,392'-2,500'  | 2,495'-2,603'   | 2,349'-2,428'                                     |
| 2,256'-2,275'   | 2,258'-2,280'                                   |  |   | 2,436'-2,461'                                     |
| 2,275'—   | 2,280'—   |  |   | 2,461'—   |
|   |   |  |   |   |
|   |   |  |   |   |
|   |   |  |   |   |
|   |   |  |   |   |
| 2,275'  | 2,306'  | 2,515'   | 2,617'  | 2,487'  |
| Queenston   | Queenston                                       | Queenston  | Queenston   | Queenston   |
| Smoke and<br>black water<br>at 1,914'.<br>Gas at<br>2,263'-2,265'.<br>Storage well. | Gas at<br>2,261'-2,264'.<br>158 Mcf.<br>D. & A. | Water at<br>2,160'. Show<br>gas at 2,422'<br>D. & A. | Smoke at<br>2,250'. Show<br>gas at 2,584'<br>& 2,588'.<br>D. & A. | Smoke and<br>black water<br>at 2,119'.<br>D. & A. |

| COUNTY         |                          | ERIE  | ERIE                        | ERIE                    | ERIE                    |
|----------------|--------------------------|---|-----------------------------|-------------------------|-------------------------|
| QUADRANGLE     |                          | Springville   | Springville                 | Springville             | Springville             |
| MAP NUMBER     |                          | 60  | 61                          | 62                      | 63                      |
| NAME OF WELL   |                          | J. Falaroe No. 1                                      | W. M. Miller-ville No. 1    |                         |                         |
| OPERATOR       |                          | Iroquois Gas Corp.                                    | Iroquois Gas Corp.          |                         |                         |
| TOWNSHIP       |                          | Colden  | Colden                      | Colden                  | Colden                  |
| LATITUDE       |                          | 6,350' North of 42° 40'                               | 7,200' North of 42° 40'     | 2,200' North of 42° 40' | 4,700' North of 42° 40' |
| LONGITUDE      |                          | 2,950' West of 78° 35'                                | 8,400' West of 78° 35'      | 800' West of 78° 40'    | 10,900' West of 78° 35' |
| DATE COMPLETED |                          | 12/12/34  | 9/11/30                     |                         |                         |
| ELEVATION      |                          | 1,370' Topo.  | 1,545' Topo.                | 1,382'                  | 1,543'                  |
| TULLY          |                          |   |                             |                         |                         |
| ONONDAGA       |                          | 1,460'—1,626'   | 1,550'—1,720'               | 1,432'—                 | 1,530'—                 |
| ORISKANY       |                          |   |                             |                         |                         |
| SALT ZONE      |                          |   |                             |                         |                         |
| LOCKPORT       |                          | 2,144'—2,468'   | 2,220'—2,532'               |                         |                         |
| MEDINA         | RED MEDINA (GRIMSBY)     | 2,493'—2,613'   | 2,559'—2,665'               | 2,393'—                 | 2,530'—                 |
|                | WHITE MEDINA (WHIRLPOOL) |   |                             |                         |                         |
| QUEENSTON      |                          |   |                             |                         |                         |
| OSWEGO         |                          |   |                             |                         |                         |
| TRENTON        |                          |   |                             |                         |                         |
| POTSDAM        |                          |   |                             |                         |                         |
| PRECAMBRIAN    |                          |   |                             |                         |                         |
| TOTAL DEPTH    |                          | 2,628'  | N. R.                       | N. R.                   | N. R.                   |
| DEEPEST FM.    |                          | Queenston   | Queenston?                  | Queenston?              | Queenston?              |
| REMARKS        |                          | Water at 2,258'. Show gas at 2,565' & 2,594'. D. & A. | Show gas at 21 Mcf. D. & A. |                         |                         |

| ERIE                       | ERIE  | ERIE                                     | ERIE                      | ERIE  |
|----------------------------|---|--|---------------------------|---|
| Springville                | Springville   | Springville                              | Springville               | Springville   |
| 64                         | 65  | 66                                       | 67                        | 68  |
| W. Keller<br>No. 1         | J. Barkewitz<br>No. 1                                   | M. Keller<br>No. 1                       | T. Szczuqie<br>No. 1      | N. Heichberger<br>No. 1   |
| Iroquois<br>Gas Corp.      | Iroquois<br>Gas Corp.                                   | Iroquois<br>Gas Corp.                    | Iroquois<br>Gas Corp.     | Iroquois<br>Gas Corp.   |
| Colden                     | Colden  | Colden                                   | Colden                    | Colden  |
| 3,600' North<br>of 42° 40' | 1,300' North<br>of 42° 40'                              | 1,500' North<br>of 42° 40'               | 300' South<br>of 42° 40'  | 500' South<br>of 42° 40'  |
| 1,800' West<br>of 78° 35'  | 3,150' East<br>of 78° 40'                               | 6,500' West<br>of 78° 35'                | 2,200' East<br>of 78° 40' | 7,600' East<br>of 78° 40'   |
| 8/6/25                     | 6/12/26   | 12/3/25                                  | 8/26/26                   | 1/30/33   |
| 1,440'                     | 1,345'  | 1,609'                                   | 1,371'                    | 1,515' Topo.  |
|                            |   |  |                           |   |
| 1,456'-1,628'              | 1,410'-1,576'   | 1,638'-1,805'                            | 1,453'-1,619'             | 1,290'-1,455'   |
|                            |   |  |                           |   |
|                            |   |  |                           |   |
| 2,120'-2,452'              | 2,012'-2,350'   | 2,305'-2,627'                            | 2,103'-2,386'             | 1,925'-2,215'   |
| 2,472'-2,581'              | 2,375'—   | 2,655'-2,765'                            | 2,416'-2,532'             | 2,244'-2,326'   |
|                            |   |  |                           | 2,333'-2,353'   |
|                            |   |  |                           | 2,353'—   |
|                            |   |  |                           |   |
|                            |   |  |                           |   |
|                            |   |  |                           |   |
|                            |   |  |                           |   |
| 2,596'                     | 2,520'  | 2,775'                                   | 2,549'                    | 2,367'  |
| Queenston                  | Queenston   | Queenston                                | Queenston                 | Queenston   |
| D. & A.                    | I. O. F. 120<br>Mcf. I. R. P.<br>720 Lbs.<br>(48 hrs.). | Show gas at<br>600' & 2,690'.<br>D. & A. | D. & A.                   | Smoke and<br>black water<br>at 1,996'.<br>Show gas at<br>2,341'.<br>(11 Mcf.).<br>D. & A. |

| COUNTY         |                                | ERIE  | ERIE  | ERIE  | ERIE   |
|----------------|--------------------------------|---|---|---|--|
| QUADRANGLE     |                                | Springville                                       | Springville   | Springville   | Springville  |
| MAP NUMBER     |                                | 69  | 70  | 71  | 72   |
| NAME OF WELL   |                                | Dr. Vogelgassag<br>No. 1                          | E. Gutekunst<br>No. 1   | L. Prjanowski   | V. Baker<br>No. 1  |
| OPERATOR       |                                | Iroquois<br>Gas Corp.                             | Iroquois<br>Gas Corp.   | Iroquois<br>Gas Corp.                                   | Iroquois<br>Gas Corp.  |
| TOWNSHIP       |                                | Colden  | Colden  | Colden  | Colden   |
| LATITUDE       |                                | 1,000' South<br>of 42° 40'                        | 3,000' South<br>of 42° 40'  | 6,000' South<br>of 42° 40'                              | 5,300' South<br>of 42° 40'   |
| LONGITUDE      |                                | 10,600' East<br>of 78° 40'                        | 2,300' West<br>of 78° 40'   | 700' West<br>of 78° 40'                                 | 8,300' East<br>of 78° 40'  |
| DATE COMPLETED |                                | 9/24/34   | 3/25/27   | 11/16/55  | 6/24/30  |
| ELEVATION      |                                | 1,615' Topo.                                      | 1,280' Topo.  | 1,445' Topo.  | 1,560' Topo.   |
| TULLY          |                                |   |   |   |  |
| ONONDAGA       |                                | 1,700'–1,865'                                     | 1,355'–1,425'   | 1,560'–1,728'   | 1,646'–1,834'  |
| ORISKANY       |                                |   |   |   |  |
| SALT ZONE      |                                |   |   |   |  |
| LOCKPORT       |                                | 2,355'–2,667'                                     | 2,004'–2,282'   | 2,210'–2,485'   | 2,350'–2,640'  |
| MEDINAN        | RED<br>MEDINA<br>(GRIMSBY)     | 2,693'–2,808'                                     | 2,309'–2,392'   | 2,513'–2,607'   | 2,668'–2,754'  |
|                | WHITE<br>MEDINA<br>(WHIRLPOOL) | N. P.   | 2,402'–2,419'   | 2,614'–2,635'   | 2,759'–2,775'  |
| QUEENSTON      |                                | 2,808' –  | 2,419' –  | 2,635' –  | 2,775' –   |
| OSWEGO         |                                |   |   |   |  |
| TRENTON        |                                |   |   |   |  |
| POTSDAM        |                                |   |   |   |  |
| PRECAMBRIAN    |                                |   |   |   |  |
| TOTAL DEPTH    |                                | 2,821'  | 2,445'  | 2,688'  | N. R.  |
| DEEPEST FM.    |                                | Queenston   | Queenston   | Queenston   | Queenston  |
| REMARKS        |                                | Smoke and<br>black water<br>at 2,460'.<br>D. & A. | Gas at 2,410'.<br>I. O. F. 240<br>Mcf. I. R. P.<br>700 Lbs.<br>(48 hrs.). | Smoke and<br>black water<br>at 2,290'.<br>Storage well. | Gas at 1,834'.<br>(50 Mcf.).<br>Gas at<br>2,767'–2,769'.<br>465 Mcf. |



| ERIE                       | ERIE  | ERIE   | ERIE  | ERIE                       |
|----------------------------|---|--|---|----------------------------|
| Springville                | Springville   | Springville  | Springville                                   | Springville                |
| 73                         | 74  | 75   | 76  | 77                         |
| L. Nice No. 1              | C. Richle<br>No. 1                                      | R. Wohlhueter<br>No. 1   | G. Bancraft<br>No. 1                          |                            |
| Iroquois<br>Gas Corp.      | Iroquois<br>Gas Corp.                                   | Iroquois<br>Gas Corp.  | Iroquois<br>Gas Corp.                         |                            |
| Colden                     | Colden  | Colden   | Colden  | Colden                     |
| 6,100' South<br>of 42° 40' | 8,400' South<br>of 42° 40'                              | 8,600' South<br>of 42° 40'   | 7,250' South<br>of 42° 40'                    | 9,100' South<br>of 42° 40' |
| 7,100' West<br>of 78° 35'  | 2,100' West<br>of 78° 40'                               | 3,500' East<br>of 78° 40'  | 8,150' East<br>of 78° 40'                     | 3,700' West<br>of 78° 40'  |
| 8/24/26                    | 10/6/26   | 8/26/26  | 6/18/31                                       |                            |
| 1,726'                     | 1,254'  | 1,330'   | 1,550' Topo.                                  | 1,141'                     |
|                            |   |  |   |                            |
| 1,825'-1,993'              | 1,382'-1,550'   | 1,453'-1,618'  | 1,676'-1,846                                  | 1,275'—                    |
|                            |   |  |   |                            |
|                            |   |  |   |                            |
| 2,546'-2,826'              | 2,050'-2,322'   | 2,150'-2,416'  | 2,345'-2,658'                                 |                            |
| 2,853'-2,964'              | 2,348'-2,463'   | 2,453'-2,574'  | 2,684'-2,773'                                 | 2,232'—                    |
|                            |   |  | 2,778'-2,795'                                 |                            |
|                            |   |  | 2,795'—                                       |                            |
|                            |   |  |   |                            |
|                            |   |  |   |                            |
|                            |   |  |   |                            |
|                            |   |  |   |                            |
| 2,975'                     | 2,496'  | 2,586'   | 2,815'  | N. R.                      |
| Queenston                  | Queenston   | Queenston  | Queenston                                     | Queenston                  |
| D. & A.                    | I. O. F. 373<br>Mcf. I. R. P.<br>725 Lbs.<br>(22 hrs.). | Salt water<br>at 2,551'.<br>Show gas at<br>2,561' (3 Mcf.).<br>D. & A. | Gas at 2,790'.<br>I. O. F. 20 Mcf.<br>P. & A. | D. & A.                    |

| COUNTY         |                          | ERIE                           | ERIE                     | ERIE                           | ERIE                     |
|----------------|--------------------------|--------------------------------|--------------------------|--------------------------------|--------------------------|
| QUADRANGLE     |                          | Springville                    | Springville              | Springville                    | Springville              |
| MAP NUMBER     |                          | 78                             | 79                       | 80                             | 81                       |
| NAME OF WELL   |                          | K. Gould No. 1                 | L. Irish No. 1           | M. Popek No. 1                 | B. Phillips No. 1        |
| OPERATOR       |                          | Iroquois Gas Corp.             | Iroquois Gas Corp.       | Iroquois Gas Corp.             | Iroquois Gas Corp.       |
| TOWNSHIP       |                          | Colden                         | Colden                   | Colden                         | Colden                   |
| LATITUDE       |                          | 11,600' South of 42° 40'       | 12,000' South of 42° 40' | 18,000' South of 42° 40'       | 19,400' South of 42° 40' |
| LONGITUDE      |                          | 1,000' West of 78° 40'         | 2,000' East of 78° 40'   | 5,900' West of 78° 40'         | 3,950' West of 78° 35'   |
| DATE COMPLETED |                          | 11/3/15                        | 9/3/31                   | 2/24/31                        | 10/30/25                 |
| ELEVATION      |                          | 1,144'                         | 1,380' Topo.             | 1,510' Topo.                   | 1,651'                   |
| TULLY          |                          |                                |                          |                                |                          |
| ONONDAGA       |                          | 1,305'-1,480'                  | 1,522'-1,709'            | 1,753'-1,931'                  | 1,820'-1,995'            |
| ORISKANY       |                          |                                |                          |                                |                          |
| SALT ZONE      |                          |                                |                          |                                |                          |
| LOCKPORT       |                          | 1,930'-2,221'                  | 2,200'-2,500'            | 2,431'-2,751'                  | 2,535'-2,807'            |
| MEDINAN        | RED MEDINA (GRIMSBY)     | 2,250'-2,349'                  | 2,522'-2,600'            | 2,776'-2,857'                  | 2,829'-2,927'            |
|                | WHITE MEDINA (WHIRLPOOL) | 2,353'-2,366'                  | 2,608'-2,637'            | 2,862'-2,892'                  | 2,929'-2,943'            |
| QUEENSTON      |                          | 2,366'—                        | 2,637'—                  | 2,892'—                        | 2,943'—                  |
| OSWEGO         |                          |                                |                          |                                |                          |
| TRENTON        |                          |                                |                          |                                |                          |
| POTSDAM        |                          |                                |                          |                                |                          |
| PRECAMBRIAN    |                          |                                |                          |                                |                          |
| TOTAL DEPTH    |                          | 2,408'                         | 2,660'                   | 2,914'                         | 2,956'                   |
| DEEPEST FM.    |                          | Queenston                      | Queenston                | Queenston                      | Queenston                |
| REMARKS        |                          | Show gas at 2,360'.<br>D. & A. | D. & A.                  | Show gas at 2,816'.<br>D. & A. | D. & A.                  |

TABLE I (Cont.)

| ERIE                       | ERIE                       | ERIE                       | ERIE  | ERIE                       |
|----------------------------|----------------------------|----------------------------|---|----------------------------|
| Springville                | Springville                | Springville                | Springville                                       | Springville                |
| 82                         | 83                         | 84                         | 85  | 86                         |
| Wannamaker<br>No. 1        | W. Greenzicki<br>No. 1     |                            | D. Burns<br>No. 1                                 |                            |
| Iroquois<br>Gas Corp.      | Iroquois<br>Gas Corp.      |                            | Iroquois<br>Gas Corp.                             |                            |
| Holland                    | Holland                    | Holland                    | Holland   | Holland                    |
| 6,600' North<br>of 42° 40' | 6,800' North<br>of 42° 40' | 8,200' North<br>of 42° 40' | 7,600' North<br>of 42° 40'                        | 6,400' North<br>of 42° 40' |
| 3,700' East<br>of 78° 35'  | 10,750' East<br>of 78° 35' | 6,200' West<br>of 78° 30'  | 100' West<br>of 78° 30'                           | 6,100' West<br>of 78° 30'  |
| 4/16/26                    | 12/10/24                   |                            | 3/22/26   |                            |
| 968'                       | 1,486'                     | 1,266'                     | 1,529'  | 1,313'                     |
|                            |                            |                            |   |                            |
| 933'-1,100'                | 1,497'-1,665'              | 1,242'—                    | 1,548'-1,710'                                     | 1,332'—                    |
|                            |                            |                            |   |                            |
|                            |                            |                            |   |                            |
| 1,665'-1,953'              | 2,180'-2,501'              |                            | 2,270'-2,565'                                     |                            |
| 1,981'-2,060'              | 2,519'-2,528'              | 2,311'—                    | 2,596'-2,691'                                     | 2,379'—                    |
|                            |                            |                            |   |                            |
| 2,068'-2,089'              |                            |                            |   |                            |
| 2,089'—                    |                            |                            |   |                            |
|                            |                            |                            |   |                            |
|                            |                            |                            |   |                            |
|                            |                            |                            |   |                            |
|                            |                            |                            |   |                            |
|                            |                            |                            |   |                            |
| 2,100'                     | 2,645'                     | N. R.                      | 2,701'  | N. R.                      |
| Queenston                  | Queenston                  | N. R.                      | N. R.   | N. R.                      |
| D. & A.                    | D. & A.                    |                            | Smoke and<br>black water<br>at 2,349'.<br>D. & A. |                            |

| COUNTY         |                          | ERIE                                 | ERIE                                   | ERIE                    | ERIE                    |
|----------------|--------------------------|--------------------------------------|--|-------------------------|-------------------------|
| QUADRANGLE     |                          | Springville                          | Springville                            | Springville             | Springville             |
| MAP NUMBER     |                          | 87                                   | 88                                     | 89                      | 90                      |
| NAME OF WELL   |                          | Parker                               | E. Pinski No. 1                        | S. Barlic No. 1         | C. Cooper No. 1         |
| OPERATOR       |                          |                                      | Iroquois Gas Corp.                     | Iroquois Gas Corp.      | Iroquois Gas Corp.      |
| TOWNSHIP       |                          | Holland                              | Holland                                | Holland                 | Holland                 |
| LATITUDE       |                          | 300' North of 42° 40'                | 3,900' North of 42° 40'                | 4,250' North of 42° 40' | 600' North of 42° 40'   |
| LONGITUDE      |                          | 1,700' West of 78° 30'               | 10,250' West of 78° 30'                | 7,000' West of 78° 30'  | 10,800' East of 78° 35' |
| DATE COMPLETED |                          |                                      | 2/18/52                                | 12/8/26                 | 3/17/27                 |
| ELEVATION      |                          | 1,252'                               | 1,535' Topo.                           | 1,491'                  | 1,445' Topo.            |
| TULLY          |                          |                                      |  |                         |                         |
| ONONDAGA       |                          | 1,322'-1,488'                        | 1,555'-1,720'                          | 1,508'-1,673'           | 1,508'-1,673'           |
| ORISKANY       |                          |                                      |  |                         |                         |
| SALT ZONE      |                          |                                      | 2,130'-2,165'                          |                         |                         |
| LOCKPORT       |                          | 2,047'-2,257'                        | 2,270'-2,580'                          | 2,260'-2,526'           | 2,260'-2,507'           |
| MEDINA         | RED MEDINA (GRIMSBY)     | 2,371'-2,467'                        | 2,610'-2,710'                          | 2,559'-2,639'           | 2,538'-2,638'           |
|                | WHITE MEDINA (WHIRLPOOL) |                                      |  | 2,645'-2,658'           |                         |
| QUEENSTON      |                          |                                      |  | 2,658' —                |                         |
| OSWEGO         |                          |                                      |  |                         |                         |
| TRENTON        |                          |                                      |  |                         |                         |
| POTSDAM        |                          |                                      |  |                         |                         |
| PRECAMBRIAN    |                          |                                      |  |                         |                         |
| TOTAL DEPTH    |                          | 2,482'                               | 2,741'                                 | 2,680'                  | 2,651'                  |
| DEEPEST FM.    |                          | Queenston                            | Queenston                              | Queenston               | Queenston               |
| REMARKS        |                          | Clinton at 2,340'-2,361'.<br>D. & A. | Gas at 2,696'-2,698'.<br>Storage well. | D. & A.                 | D. & A.                 |



| ERIE  | ERIE                       | ERIE                       | ERIE   | ERIE  |
|---|----------------------------|----------------------------|--|---|
| Springville   | Springville                | Springville                | Springville  | Springville   |
| 91  | 92                         | 93                         | 94   | 95  |
| H. Bucknam<br>No. 1                                       | A. Graham<br>No. 1         |                            | H. Jones   | J. Peters<br>No. 1                                    |
| Iroquois<br>Gas Corp.                                     | Iroquois<br>Gas Corp.      |                            |  | Iroquois<br>Gas Corp.                                 |
| Holland   | Concord                    | Concord                    | Concord  | Concord   |
| 4,400' South<br>of 42° 40'                                | 6,750' North<br>of 42° 35' | 5,400' North<br>of 42° 35' | 1,350' North<br>of 42° 35'   | 5,200' South<br>of 42° 35'                            |
| 5,900' East<br>of 78° 35'                                 | 10,700' East<br>of 78° 45' | 4,800' East<br>of 78° 40'  | 9,400' West<br>of 78° 40'  | 400' East<br>of 78° 45'                               |
| 8/10/25   | 6/23/26                    |                            | 1878-1879  | 11/30/24  |
| 1,103'  | 1,072'                     | 1,244'                     | 1,055'   | 1,509'  |
|   |                            |                            |  |   |
| 1,169'-1,330'   | 1,267'-1,357'              | 1,500'—                    | 1,225'—  | 1,836'-2,006'   |
|   |                            |                            |  |   |
|   |                            |                            | 1,800'—  |   |
| 1,870'-2,154'   | 1,942'-2,265'              |                            |  | 2,480'-2,776'   |
| 2,179'-2,268'   | 2,286'-2,377'              |                            |  | 2,793'-2,893'   |
| 2,268'-2,281'   | 2,382'-2,407'              | 2,517'—                    |  | 2,896'-2,931'   |
| 2,281'—   | 2,407'—                    |                            |  | 2,931'—   |
|   |                            |                            |  |   |
|   |                            |                            |  |   |
|   |                            |                            |  |   |
|   |                            |                            |  |   |
| 2,287'  | 2,421'                     | N. R.                      | 2,140'   | 2,945'  |
| Queenston   | Queenston                  | N. R.                      | N. R.  | Queenston   |
| Show gas at<br>500', 675',<br>1,325' & 2,310'.<br>D. & A. | D. & A.                    | D. & A.                    | Black water<br>at 2,008'.<br>Known as<br>"The old<br>Boston well." | Show gas at<br>2,915', 2,920' &<br>2,931'.<br>D. & A. |

| COUNTY         |                                | ERIE                       | ERIE   | ERIE                       | ERIE                        |
|----------------|--------------------------------|----------------------------|--|----------------------------|-----------------------------|
| QUADRANGLE     |                                | Springville                | Springville  | Springville                | Springville                 |
| MAP NUMBER     |                                | 96                         | 97   | 98                         | 99                          |
| NAME OF WELL   |                                |                            | H. E. Wieser<br>No. 1                                    | H. Snyder<br>No. 1         | R. Spaulding<br>No. 1       |
| OPERATOR       |                                |                            | Iroquois<br>Gas Corp.                                    | Iroquois<br>Gas Corp.      | Iroquois<br>Gas Corp.       |
| TOWNSHIP       |                                | Concord                    | Concord  | Concord                    | Concord                     |
| LATITUDE       |                                | 1,300' South<br>of 42° 35' | 7,000' South<br>of 42° 35'                               | 6,400' South<br>of 42° 35' | 11,900' South<br>of 42° 35' |
| LONGITUDE      |                                | 4,200' West<br>of 78° 40'  | 9,700' West<br>of 78° 40'                                | 6,700' West<br>of 78° 40'  | 5,300' East<br>of 78° 45'   |
| DATE COMPLETED |                                |                            | 7/5/34   | 4/30/24                    | 7/16/25                     |
| ELEVATION      |                                | 1,199'                     | 1,555' Topo.   | 1,385' Topo.               | 1,480' Topo.                |
| TULLY          |                                |                            |  |                            |                             |
| ONONDAGA       |                                | 1,460' —                   | 1,894'—2,059'  | 1,750'—1,933'              | 1,872'—2,047'               |
| ORISKANY       |                                |                            |  |                            |                             |
| SALT ZONE      |                                |                            |  |                            |                             |
| LOCKPORT       |                                |                            | 2,609'—2,888'  | 2,483'—2,768'              | 2,515'—2,813'               |
| MEDINA         | RED<br>MEDINA<br>(GRIMSBY)     |                            | 2,913'—3,003'  | 2,796'—2,887'              | 2,841'—2,929'               |
|                | WHITE<br>MEDINA<br>(WHIRLPOOL) | 2,520' —                   | 3,006'—3,019'  | 2,890'—2,905'              | 2,939'—2,949'               |
| QUEENSTON      |                                |                            | 3,019' —   | 2,905' —                   | 2,949' —                    |
| OSWEGO         |                                |                            |  |                            |                             |
| TRENTON        |                                |                            |  |                            |                             |
| POTSDAM        |                                |                            |  |                            |                             |
| PRECAMBRIAN    |                                |                            |  |                            |                             |
| TOTAL DEPTH    |                                | N. R.                      | 3,028'   | 2,920'                     | 2,965'                      |
| DEEPEST FM.    |                                | N. R.                      | Queenston  | Queenston                  | Queenston                   |
| REMARKS        |                                | D. & A.                    | Smoke at 2,700'.<br>Black water<br>at 2,722'.<br>D. & A. | D. & A.                    |                             |

| ERIE                        | ERIE                             | ERIE  | ERIE                        | ERIE                        |
|-----------------------------|----------------------------------|---|-----------------------------|-----------------------------|
| Springville                 | Springville                      | Springville   | Springville                 | Springville                 |
| 100                         | 101                              | 102   | 103                         | 104                         |
|                             | F. Vosburg<br>No. 1              | Fee No. 3   | 1745                        |                             |
|                             | Iroquois<br>Gas Corp.            | Groac Dairy<br>Products   |                             |                             |
| Concord                     | Concord                          | Aurora  | Concord                     | Concord                     |
| 10,600' South<br>of 42° 35' | 8,000' South<br>of 42° 35'       | 1,250' South<br>of 42° 45'  | 11,000' North<br>of 42° 30' | 11,300' North<br>of 42° 30' |
| 3,500' West<br>of 78° 40'   | 8,700' East<br>of 78° 40'        | 6,000' West<br>of 78° 35'   | 2,700' West<br>of 78° 40'   | 6,600' East<br>of 78° 40'   |
|                             | 12/4/26                          | 2/1958  |                             |                             |
| 1,440'                      | 1,480' Topo.                     | 879' D. F.  | 1,459'                      | 1,407'                      |
|                             |                                  |   |                             |                             |
| 1,789' —                    | 1,848'—2,026'                    | 710'—856'   | 1,850' —                    | 1,866' —                    |
|                             |                                  | 856'—857'   |                             |                             |
|                             |                                  |   |                             |                             |
|                             | 2,600'—2,872'                    | 1,345'—1,540'   |                             |                             |
|                             | 2,903'—3,000'                    | 1,666'—1,748'   | 2,969' —                    | 2,975' —                    |
| 2,846' —                    |                                  | 1,748'—1,770'   |                             |                             |
|                             |                                  | 1,770' —  |                             |                             |
|                             |                                  |   |                             |                             |
|                             |                                  |   |                             |                             |
|                             |                                  |   |                             |                             |
|                             |                                  |   |                             |                             |
| N. R.                       | 3,014'                           | 1,810'  | N. R.                       | N. R.                       |
| N. R.                       | Queenston                        | Queenston   | N. R.                       | N. R.                       |
|                             | Shale gas<br>at 350'.<br>D. & A. | Smoke and<br>water at 1,445'.<br>No salt beds.<br>Gas at<br>861'—871'.<br>40 Mcf. of gas<br>& salt water<br>at 1,763'—<br>1,766'.<br>*p |                             |                             |

| COUNTY         |                                | ERIE  | ERIE  | ERIE   | ERIE                       |
|----------------|--------------------------------|---|---|--|----------------------------|
| QUADRANGLE     |                                | Springville   | Springville                                   | Springville  | Springville                |
| MAP NUMBER     |                                | 105   | 106   | 107  | 108                        |
| NAME OF WELL   |                                | M. Girst<br>No. 1   | S. Mollian<br>No. 1                           | Bauer<br>No. 1   | A. Soul<br>No. 1           |
| OPERATOR       |                                | Iroquois<br>Gas Corp.   | Iroquois<br>Gas Corp.                         | Iroquois<br>Gas Corp.  | Iroquois<br>Gas Corp.      |
| TOWNSHIP       |                                | Concord   | Concord                                       | Concord  | Sardinia                   |
| LATITUDE       |                                | 2,100' North<br>of 42° 30'  | 3,300' North<br>of 42° 30'                    | 100' North<br>of 42° 30'   | 8,000' North<br>of 42° 30' |
| LONGITUDE      |                                | 6,400' East<br>of 78° 45'   | 10,100' East<br>of 78° 45'                    | 6,350' East<br>of 78° 45'  | 700' West<br>of 78° 35'    |
| DATE COMPLETED |                                | 6/17/27   | 2/4/27  | 4/16/27  | 7/24/36                    |
| ELEVATION      |                                | 1,369'  | 1,285'  | 1,335'   | 1,420' Topo.               |
| TULLY          |                                |   |   |  |                            |
| ONONDAGA       |                                | 1,787'-1,965'   | 1,620'-1,812'                                 | 1,679'-1,857'  | 1,917'-2,084'              |
| ORISKANY       |                                |   |   |  |                            |
| SALT ZONE      |                                |   |   |  |                            |
| LOCKPORT       |                                | 2,575'-2,840'   | 2,495'-2,813'                                 | 2,520'-2,840'  | 2,630'-2,962'              |
| MEDINAN        | RED<br>MEDINA<br>(GRIMSBY)     | 2,870'-2,959'   | 2,822'-2,911'                                 | 2,946'-2,963'  | 2,997'-3,077'              |
|                | WHITE<br>MEDINA<br>(WHIRLPOOL) | N. P.   |   | N. P.  | N. P.                      |
| QUEENSTON      |                                | 2,959' —  |   | 2,963' —   | 3,077' —                   |
| OSWEGO         |                                |   |   |  |                            |
| TRENTON        |                                |   |   |  |                            |
| POTSDAM        |                                |   |   |  |                            |
| PRECAMBRIAN    |                                |   |   |  |                            |
| TOTAL DEPTH    |                                | 2,997'  | 2,934'  | 2,963'+  | 3,105'                     |
| DEEPEST FM.    |                                | Queenston   | Queenston                                     | Queenston  | Queenston                  |
| REMARKS        |                                | Smoke at<br>2,614'. Show<br>gas at 1,225'<br>& 2,952'.<br>Show oil at<br>1,500'.<br>D. & A. | Show gas at<br>2,862' &<br>2,919'.<br>D. & A. | Salt water<br>at 800'.<br>Show gas at<br>325', 1,679' &<br>2,898'-2,903'.<br>D. & A. | D. & A.                    |



| ERIE   | ERIE  | ERIE                                 | ERIE                       | ERIE                       |
|--|---|--------------------------------------|----------------------------|----------------------------|
| Eden   | Eden  | Eden                                 | Eden                       | Eden                       |
| 1  | 2   | 3                                    | 4                          | 5                          |
| J. Scheffer<br>No. 1   | F. Gould et al.<br>No. 1  | J. Reith<br>No. 1                    | A. Lamb<br>No. 1           | T. Lank<br>No. 1           |
| Iroquois<br>Gas Corp.  | Iroquois<br>Gas Corp.   | Iroquois<br>Gas Corp.                | Iroquois<br>Gas Corp.      | Iroquois<br>Gas Corp.      |
| Hamburg  | Hamburg   | Hamburg                              | Hamburg                    | Hamburg                    |
| 900' South<br>of 42° 45'   | 2,700' South<br>of 42° 45'  | 600' South<br>of 42° 45'             | 2,400' South<br>of 42° 45' | 5,200' South<br>of 42° 45' |
| 6,100' West<br>of 78° 50'  | 3,800' West<br>of 78° 50'   | 8,550' East<br>of 78° 50'            | 8,600' East<br>of 78° 50'  | 3,700' East<br>of 78° 50'  |
| 1/2/10   | 9/20/09   | 12/23/12                             | 9/14/11                    | 3/23/11                    |
| 725' Topo.   | 745' Topo.  | 770' Topo.                           | 800' Topo.                 | 805' Topo.                 |
|  |   |                                      |                            |                            |
| 400'-572'  | 458'-630'   | 530'-700'                            |                            |                            |
|  |   |                                      |                            |                            |
|  |   |                                      |                            |                            |
| 1,020'-1,295'  | 1,080'-1,350'   | 1,170'-1,435'                        |                            |                            |
| 1,334'-1,389'  | 1,376'-1,472'   | 1,464'-1,536'                        |                            |                            |
|  |   |                                      |                            |                            |
| 1,389'-1,418'  | 1,472'-1,490'   | 1,551'-1,575'                        |                            |                            |
| 1,418' —   | 1,490' —  | 1,575' —                             |                            |                            |
|  |   |                                      |                            |                            |
|  |   |                                      |                            |                            |
|  |   |                                      |                            |                            |
|  |   |                                      |                            |                            |
| 1,474'   | 1,529'  | 1,589'                               | N. R.                      | N. R.                      |
| Queenston  | Queenston   | Queenston                            | N. R.                      | N. R.                      |
| Smoke and<br>black water<br>at 1,148'. Gas<br>at 1,428'.<br>I. O. F. 300<br>Mcf. | Smoke at<br>1,195'. Black<br>water at<br>1,200'. Gas at<br>1,483'-1,486'.<br>I. O. F. 1,581<br>Mcf. | Black water<br>at 1,235'.<br>D. & A. | I. O. F. 150<br>Mcf.       | I. O. F. 75<br>Mcf.        |

| COUNTY         |                                | ERIE                       | ERIE                        | ERIE  | ERIE                       |
|----------------|--------------------------------|----------------------------|-----------------------------|---|----------------------------|
| QUADRANGLE     |                                | Eden                       | Eden                        | Eden  | Eden                       |
| MAP NUMBER     |                                | 6                          | 7                           | 8   | 9                          |
| NAME OF WELL   |                                | W. Hines<br>No. 1          | J. Scoville<br>No. 1        | G. Schmidt<br>No. 1                                 | F. Danheiser<br>No. 1      |
| OPERATOR       |                                | Iroquois<br>Gas Corp.      | Iroquois<br>Gas Corp.       | Iroquois<br>Gas Corp.                               | Iroquois<br>Gas Corp.      |
| TOWNSHIP       |                                | Hamburg                    | Hamburg                     | Hamburg   | Hamburg                    |
| LATITUDE       |                                | 4,450' South<br>of 42° 45' | 11,100' South<br>of 42° 45' | 10,000' South<br>of 42° 45'                         | 7,800' South<br>of 42° 45' |
| LONGITUDE      |                                | 7,100' East<br>of 78° 50'  | 4,800' East<br>of 78° 55'   | 10,250' West<br>of 78° 50'                          | 7,800' West<br>of 78° 50'  |
| DATE COMPLETED |                                | 12/15/10                   | 9/22/10                     | 4/14/10   | 2/28/11                    |
| ELEVATION      |                                | 790' Topo.                 | 735' Topo.                  | 780' Topo.  | 795' Topo.                 |
| TULLY          |                                |                            |                             |   |                            |
| ONONDAGA       |                                |                            | 480'-660'                   | 530'-700'   |                            |
| ORISKANY       |                                |                            |                             |   |                            |
| SALT ZONE      |                                |                            |                             |   |                            |
| LOCKPORT       |                                |                            | 1,105'-1,379'               | 1,135'-1,330'                                       |                            |
| MEDINAN        | RED<br>MEDINA<br>(GRIMSBY)     |                            | 1,404'-1,485'               | 1,430'-1,525'                                       |                            |
|                | WHITE<br>MEDINA<br>(WHIRLPOOL) |                            | 1,506'-1,522'               | 1,525'-1,545'                                       |                            |
| QUEENSTON      |                                |                            | 1,522' —                    | 1,545' —  |                            |
| OSWEGO         |                                |                            |                             |   |                            |
| TRENTON        |                                |                            |                             |   |                            |
| POTSDAM        |                                |                            |                             |   |                            |
| PRECAMBRIAN    |                                |                            |                             |   |                            |
| TOTAL DEPTH    |                                | N. R.                      | 1,526'                      | 1,550'  | 1,560'                     |
| DEEPEST FM.    |                                | N. R.                      | Queenston                   | Queenston   | Queenston                  |
| REMARKS        |                                | I. O. F. 500<br>Mcf.       | D. & A.                     | Black water<br>at 1,215'.<br>I. O. F. 2,500<br>Mcf. | 554 Mcf.                   |

| ERIE                       | ERIE                                      | ERIE                       | ERIE                                     | ERIE                        |
|----------------------------|---|----------------------------|--|-----------------------------|
| Eden                       | Eden                                      | Eden                       | Eden                                     | Eden                        |
| 10                         | 11  | 12                         | 13                                       | 14                          |
| N. Schmidt<br>No. 1        | R. Hockstellar<br>No. 1                   | J. Ostrander<br>No. 1      | Constantine<br>et al. No. 1              | G. Bensley<br>No. 1         |
| Iroquois<br>Gas Corp.      | Iroquois<br>Gas Corp.                     | Iroquois<br>Gas Corp.      | Iroquois<br>Gas Corp.                    | Iroquois<br>Gas Corp.       |
| Hamburg                    | Hamburg                                   | Hamburg                    | Hamburg                                  | Hamburg                     |
| 8,850' South<br>of 42° 45' | 7,450' South<br>of 42° 45'                | 7,300' South<br>of 42° 45' | 11,600' South<br>of 42° 45'              | 11,650' South<br>of 42° 45' |
| 1,100' West<br>of 78° 50'  | 2,500' East<br>of 78° 50'                 | 6,650' East<br>of 78° 50'  | 6,150' West<br>of 78° 50'                | 2,100' West<br>of 78° 50'   |
| 8/8/10                     | 3/2/11                                    | 2/9/11                     | 9/1910                                   | 2/2/12                      |
| 805' Topo.                 | 815' Topo.                                | 815' Topo.                 | 775' Topo.                               | 810' Topo.                  |
|                            |   |                            |  |                             |
|                            | 556'-733'                                 |                            | 545'-735'                                |                             |
|                            |   |                            |  |                             |
|                            |   |                            |  |                             |
|                            | 1,185'-1,471'                             |                            | 1,177'-1,450'                            |                             |
|                            | 1,500'-1,590'                             |                            | 1,482'-1,570'                            |                             |
|                            | 1,590'-1,612'                             |                            | 1,570'-1,589'                            |                             |
|                            |   |                            | 1,589' —                                 |                             |
|                            |   |                            |  |                             |
|                            |   |                            |  |                             |
|                            |   |                            |  |                             |
|                            |   |                            |  |                             |
| N. R.                      | 1,662'                                    | N. R.                      | 1,640'                                   | 1,661'                      |
| N. R.                      | Queenston                                 | N. R.                      | Queenston                                | Queenston                   |
| Producer.                  | I. O. F. 151<br>Mcf. I. R. P.<br>480 Lbs. | D. & A.                    | I. O. F. 96 Mcf.<br>I. R. P. 570<br>Lbs. | I. O. F. 470<br>Mcf.        |

| COUNTY         |                                | ERIE                        | ERIE  | ERIE                        | ERIE  |
|----------------|--------------------------------|-----------------------------|---|-----------------------------|---|
| QUADRANGLE     |                                | Eden                        | Eden  | Eden                        | Eden  |
| MAP NUMBER     |                                | 15                          | 16  | 17                          | 18  |
| NAME OF WELL   |                                | M. Heiser<br>No. 1          | G. Stearns<br>No. 2   | A. Baines<br>No. 1          | E. Williams<br>No. 1  |
| OPERATOR       |                                | Iroquois<br>Gas Corp.       | Iroquois<br>Gas Corp.   | Iroquois<br>Gas Corp.       | Iroquois<br>Gas Corp.   |
| TOWNSHIP       |                                | Hamburg                     | Hamburg   | Hamburg                     | Hamburg   |
| LATITUDE       |                                | 11,550' South<br>of 42° 45' | 11,000' South<br>of 42° 45'   | 13,800' South<br>of 42° 45' | 13,350' South<br>of 42° 45'   |
| LONGITUDE      |                                | 1,800' East<br>of 78° 50'   | 7,300' East<br>of 78° 50'   | 600' West<br>of 78° 50'     | 4,600' East<br>of 78° 50'   |
| DATE COMPLETED |                                | 11/10/10                    | 3/17/13   | 12/21/11                    | 8/17/13   |
| ELEVATION      |                                | 825' Topo.                  | 825' Topo.  | 775' Topo.                  | 805' Topo.  |
| TULLY          |                                |                             |   |                             |   |
| ONONDAGA       |                                |                             | 635'-815'   |                             | 650'-820'   |
| ORISKANY       |                                |                             |   |                             |   |
| SALT ZONE      |                                |                             |   |                             |   |
| LOCKPORT       |                                |                             | 1,225'-1,536'   |                             | 1,295'-1,543'   |
| MEDINAN        | RED<br>MEDINA<br>(GRIMSBY)     |                             | 1,569'-1,649'   |                             | 1,576'-1,648'   |
|                | WHITE<br>MEDINA<br>(WHIRLPOOL) |                             | 1,661'-1,684'   |                             | 1,658'-1,683'   |
| QUEENSTON      |                                |                             | 1,684'—   |                             | 1,683'—   |
| OSWEGO         |                                |                             |   |                             |   |
| TRENTON        |                                |                             |   |                             |   |
| POTSDAM        |                                |                             |   |                             |   |
| PRECAMBRIAN    |                                |                             |   |                             |   |
| TOTAL DEPTH    |                                | N. R.                       | 1,735'  | 1,690'                      | 1,762'  |
| DEEPEST FM.    |                                | N. R.                       | Queenston   | Queenston                   | Queenston   |
| REMARKS        |                                | I. O. F. 500<br>Mcf.        | Black water<br>at 1,341'—<br>1,354'. Gas<br>at 1,670'.<br>I. O. F. 184<br>Mcf. I. R. P.<br>220 Lbs. | I. O. F. 260<br>Mcf.        | Gas at<br>1,666'—1,672'.<br>I. O. F. 200<br>Mcf. I. R. P.<br>160 Lbs. |



| ERIE   | ERIE                        | ERIE                                 | ERIE                       | ERIE   |
|--|-----------------------------|--------------------------------------|----------------------------|--|
| Eden   | Eden                        | Eden                                 | Eden                       | Eden   |
| 19   | 20                          | 21                                   | 22                         | 23   |
| G. Hutchinson<br>No. 1   | M. Gifford<br>No. 1         | W. Hastings<br>No. 1                 | S. Abbott Est.<br>No. 1    | G. Gardner<br>No. 1  |
| Iroquois<br>Gas Corp.  | Iroquois<br>Gas Corp.       | Iroquois<br>Gas Corp.                | Iroquois<br>Gas Corp.      | Iroquois<br>Gas Corp.  |
| Hamburg  | Hamburg                     | Hamburg                              | Orchard Park               | Orchard Park   |
| 14,400' South<br>of 42° 45'  | 14,300' South<br>of 42° 45' | 18,100' South<br>of 42° 45'          | 1,050' South<br>of 42° 45' | 300' South<br>of 42° 45'   |
| 8,600' East<br>of 78° 50'  | 8,300' East<br>of 78° 55'   | 6,100' East<br>of 78° 50'            | 12,200' West<br>of 78° 45' | 7,300' West<br>of 78° 45'  |
| 3/17/12  | 11/29/10                    | 1/21/11                              | 7/20/11                    | 9/5/12   |
| 825' Topo.   | 790' Topo.                  | 865' Topo.                           | 820' Topo.                 | 825' Topo.   |
|  |                             |                                      |                            |  |
| 645'-820'  | 523'-703'                   | 682'-867'                            |                            | 572'-751'  |
|  |                             |                                      |                            |  |
|  |                             |                                      |                            |  |
| 1,210'-1,575'  | 1,155'-1,420'               | 1,280'-1,613'                        |                            | 1,195'-1,468'  |
| 1,683'-1,701'  | 1,455'-1,545'               | 1,643'-1,723'                        |                            |  |
|  | 1,557'-1,574'               | 1,738'-1,757'                        |                            | 1,590'-1,609'  |
|  | 1,574' —                    | 1,757' —                             |                            | 1,609' —   |
|  |                             |                                      |                            |  |
|  |                             |                                      |                            |  |
|  |                             |                                      |                            |  |
|  |                             |                                      |                            |  |
| 1,929'   | 1,579'                      | 1,767'                               | N. R.                      | 1,609'   |
| Queenston  | Queenston                   | Queenston                            | N. R.                      | Queenston  |
| Clinton at<br>1,605'-1,668'.<br>Black water<br>at 1,385' &<br>1,440'.<br>D. & A. | D. & A.                     | Black water<br>at 1,487'.<br>D. & A. | I. O. F. 500<br>Mcf.       | Black water<br>at 1,275'.<br>Gas at<br>1,595'-1,600'.<br>I. O. F. 3,500<br>Mcf. I. R. P.<br>490 Lbs. |

## NEW YORK

TABLE I (Cont.)

| COUNTY         |                          | ERIE   | ERIE                           | ERIE                              | ERIE  |
|----------------|--------------------------|--|--------------------------------|-----------------------------------|---|
| QUADRANGLE     |                          | Eden   | Eden                           | Eden                              | Eden  |
| MAP NUMBER     |                          | 24   | 25                             | 26                                | 27  |
| NAME OF WELL   |                          | P. Benn No. 1  | T. Gates No. 2                 | P. Gernold No. 1                  | Riehler No. 1   |
| OPERATOR       |                          | Iroquois Gas Corp.   | Iroquois Gas Corp.             | Iroquois Gas Corp.                | Iroquois Gas Corp.  |
| TOWNSHIP       |                          | Orchard Park   | Orchard Park                   | Orchard Park                      | Orchard Park  |
| LATITUDE       |                          | 500' South of 42° 45'  | 3,850' South of 42° 45'        | 4,300' South of 42° 45'           | 8,200' South of 42° 45'                                     |
| LONGITUDE      |                          | 5,350' West of 78° 45'                                       | 11,000' West of 78° 45'        | On 78° 45'                        | 11,100' West of 78° 45'                                     |
| DATE COMPLETED |                          | 3/1/12   | 12/28/11                       | 7/10/15                           | 10/25/12  |
| ELEVATION      |                          | 830' Topo.   | 845' Topo.                     | 841' Alt.                         | 825' Topo.  |
| TULLY          |                          |  |                                |                                   |   |
| ONONDAGA       |                          | 584'-745'  |                                | 670'-830'                         | 650'-830'   |
| ORISKANY       |                          |  |                                |                                   |   |
| SALT ZONE      |                          |  |                                |                                   |   |
| LOCKPORT       |                          | 1,168'-1,485'  |                                | 1,280'-1,580'                     | 1,280'-1,583'   |
| MEDINAN        | RED MEDINA (GRIMSBY)     | 1,510'-1,587'  |                                | 1,602'-1,680'                     | 1,605'-1,678'   |
|                | WHITE MEDINA (WHIRLPOOL) | 1,594'-1,615'  |                                | 1,695'-1,715'                     | 1,690'-1,720'   |
| QUEENSTON      |                          | 1,615'—  |                                | 1,715'—                           | 1,720'—   |
| OSWEGO         |                          |  |                                |                                   |   |
| TRENTON        |                          |  |                                |                                   |   |
| POTSDAM        |                          |  |                                |                                   |   |
| PRECAMBRIAN    |                          |  |                                |                                   |   |
| TOTAL DEPTH    |                          | 1,617'   | 1,660'                         | 1,722'                            | 1,777'  |
| DEEPEST FM.    |                          | Queenston  | Queenston                      | Queenston                         | Queenston   |
| REMARKS        |                          | Gas at 1,601'-1,606'.<br>I. O. F. 900 Mcf. I. R. P. 425 Lbs. | Show gas (28 Mcf.).<br>D. & A. | Black water at 1,350'.<br>D. & A. | Gas at 1,695'.<br>I. O. F. 350,880 cf.<br>I. R. P. 650 Lbs. |

| ERIE   | ERIE                       | ERIE   | ERIE  | ERIE  |
|--|----------------------------|--|---|---|
| Eden   | Eden                       | Eden   | Eden  | Eden  |
| 28   | 29                         | 30   | 31  | 32  |
| C. M. Newton<br>No. 1                        | E. Milka<br>No. 1          | J. Daniquist<br>No. 1  | L. Keene<br>No. 1   | B. Baroos<br>No. 1                                |
| Iroquois<br>Gas Corp.                        | Iroquois<br>Gas Corp.      | Iroquois<br>Gas Corp.  | Iroquois<br>Gas Corp.   | Iroquois<br>Gas Corp.                             |
| Orchard Park                                 | Evans                      | Evans  | Evans   | Evans   |
| 9,500' South<br>of 42° 45'                   | 7,700' North<br>of 42° 40' | 5,100' North<br>of 42° 40'   | 3,000' North<br>of 42° 40'  | 3,100' North<br>of 42° 40'                        |
| 9,150' West<br>of 78° 45'                    | 10,350' East<br>of 79° 00' | 11,200' East<br>of 79° 00'   | 4,400' East<br>of 79° 00'   | 8,200' East<br>of 79° 00'                         |
| 8/19/12                                      | 4/29/47                    | 5/28/49  | 10/23/48  | 2/13/48   |
| 825' Topo.                                   | 720' Topo.                 | 715' Topo.   | 687' Topo.  | 715' Topo.  |
|  |                            |  |   |   |
| 667'-840'                                    | 487'-662'                  | 508'-688'  | 538'-713'   | 583'-723'   |
|  |                            |  |   |   |
|  |                            |  |   |   |
| 1,250'-1,580'                                | 1,100'-1,362'              | 1,120'-1,389'  | 1,140'-1,421'   | 1,135'-1,412'                                     |
| 1,697'-1,720'                                | 1,388'-1,476'              | 1,412'-1,504'  | 1,447'-1,536'   | 1,439'-1,526'                                     |
|  | 1,481'-1,522'              | 1,513'-1,548'  | 1,546'-1,579'   | 1,534'-1,556'                                     |
|  | 1,522' —                   | 1,548' —   | 1,579' —  | 1,556' —  |
|  |                            |  |   |   |
|  |                            |  |   |   |
|  |                            |  |   |   |
|  |                            |  |   |   |
| 1,730'                                       | 1,541'                     | 1,572'   | 1,590'  | 1,585'  |
| Queenston                                    | Queenston                  | Queenston  | Queenston   | Queenston   |
| Show gas at<br>1,706'.<br>23 Mcf.<br>D. & A. | D. & A.                    | Smoke and<br>black water<br>at 1,220'.<br>Black water<br>at 1,235'.<br>Show gas at<br>1,520'.<br>D. & A. | Smoke and<br>black water<br>at 1,232'.<br>Salt water<br>at 200' and<br>1,536'.<br>D. & A. | Smoke and<br>black water<br>at 1,229'.<br>D. & A. |

| COUNTY         |                                | ERIE   | ERIE  | ERIE                              | ERIE                              |
|----------------|--------------------------------|--|---|-----------------------------------|-----------------------------------|
| QUADRANGLE     |                                | Eden   | Eden  | Eden                              | Eden                              |
| MAP NUMBER     |                                | 33   | 34  | 35                                | 36                                |
| NAME OF WELL   |                                | J. Tkaczyk<br>No. 1  | S. Salvo<br>No. 1   | E. Freytag<br>No. 1               | E. Nagle<br>No. 1                 |
| OPERATOR       |                                | Iroquois<br>Gas Corp.  | Iroquois<br>Gas Corp.   | Iroquois<br>Gas Corp.             | Iroquois<br>Gas Corp.             |
| TOWNSHIP       |                                | Evans  | Evans   | Evans                             | Evans                             |
| LATITUDE       |                                | 600' North<br>of 42° 40'   | 450' North<br>of 42° 40'  | 1,400' South<br>of 42° 40'        | 4,900' South<br>of 42° 40'        |
| LONGITUDE      |                                | 10,450' East<br>of 79° 00'   | 13,150' East<br>of 79° 00'  | 7,750' East<br>of 79° 00'         | 5,800' East<br>of 79° 00'         |
| DATE COMPLETED |                                | 8/25/50  | 1/12/51   | 4/25/13                           | 11/28/10                          |
| ELEVATION      |                                | 730' Topo.   | 745' Topo.  | 700' Topo.                        | 715' Topo.                        |
| TULLY          |                                |  |   |                                   |                                   |
| ONONDAGA       |                                | 584'-759'  | 595'-765'   | 585'-779'                         | 625'-821'                         |
| ORISKANY       |                                |  |   |                                   |                                   |
| SALT ZONE      |                                |  |   |                                   |                                   |
| LOCKPORT       |                                | 1,190'-1,464'  | 1,210'-1,482'   | 1,195'-1,477'                     | 1,200'-1,545'                     |
| MEDINAN        | RED<br>MEDINA<br>(GRIMSBY)     | 1,493'-1,583'  | 1,513'-1,620'   | 1,507'-1,593'                     | 1,565'-1,659'                     |
|                | WHITE<br>MEDINA<br>(WHIRLPOOL) | 1,593'-1,625'  | 1,625'-1,642'   | 1,601'-1,634'                     | 1,663'-1,703'                     |
| QUEENSTON      |                                | 1,625' —   | 1,642' —  | 1,634' —                          | 1,703' —                          |
| OSWEGO         |                                |  |   |                                   |                                   |
| TRENTON        |                                |  |   |                                   |                                   |
| POTSDAM        |                                |  |   |                                   |                                   |
| PRECAMBRIAN    |                                |  |   |                                   |                                   |
| TOTAL DEPTH    |                                | 1,644'   | 1,663'  | 1,639'                            | 1,828'                            |
| DEEPEST FM.    |                                | Queenston  | Queenston   | Queenston                         | Queenston                         |
| REMARKS        |                                | Smoke at<br>1,279'. Black<br>water at<br>1,244'. Show<br>gas at<br>1,593'-1,595'.<br>Storage well. | Smoke and<br>black water<br>at 1,280'.<br>Show gas at<br>1,548'.<br>Storage well. | Show gas at<br>26 Mcf.<br>D. & A. | Show gas at<br>26 Mcf.<br>D. & A. |



TABLE I (Cont.)

| ERIE                        | ERIE                           | ERIE                       | ERIE  | ERIE   |
|-----------------------------|--------------------------------|----------------------------|---|--|
| Eden                        | Eden                           | Eden                       | Eden  | Eden   |
| 37                          | 38                             | 39                         | 40  | 41   |
| A. Miller<br>No. 1          | E. Wilson<br>No. 1             | W. Heath<br>No. 1          | F. Kappus<br>No. 1                              | J. Reifler<br>No. 1  |
| Iroquois<br>Gas Corp.       | Iroquois<br>Gas Corp.          | Iroquois<br>Gas Corp.      | Iroquois<br>Gas Corp.                           | Iroquois<br>Gas Corp.  |
| Evans                       | Evans                          | Eden                       | Eden  | Eden   |
| 11,200' South<br>of 42° 40' | 19,300' South<br>of 42° 40'    | 7,200' North<br>of 42° 40' | 5,400' North<br>of 42° 40'                      | 5,250' North<br>of 42° 40'                                     |
| 13,700' East<br>of 79° 00'  | 8,150' East<br>of 79° 00'      | 6,700' West<br>of 78° 55'  | 200' East<br>of 78° 55'                         | 5,500' North<br>of 78° 50'                                     |
| 2/7/11                      | 6/25/13                        | 9/7/10                     | 10/12/12  | 8/15/12  |
| 750' Topo.                  | 765' Topo.                     | 830' Topo.                 | 750' Topo.                                      | 820' Topo.   |
|                             |                                |                            |   |  |
| 770'-980'                   | 795'-985'                      | 500'-700'                  | 575'-745'                                       | 720'-900'  |
|                             |                                |                            |   |  |
|                             |                                |                            |   |  |
| 1,340'-1,638'               | 1,415'-1,681'                  | 1,078'-1,395'              | 1,190'-1,450'                                   | 1,320'-1,606'  |
| 1,668'-1,783'               | 1,711'-1,796'                  | 1,415'-1,478'              | 1,480'-1,560'                                   |  |
|                             |                                |                            |   |  |
| 1,783'-1,819'               | 1,810'-1,843'                  | 1,515'-1,542'              | 1,586'-1,606'                                   | 1,749'-1,767'  |
| 1,819'—                     | 1,843'—                        | 1,542'—                    | 1,606'—   | 1,767'—  |
|                             |                                |                            |   |  |
|                             |                                |                            |   |  |
|                             |                                |                            |   |  |
|                             |                                |                            |   |  |
|                             |                                |                            |   |  |
| 1,831'                      | 1,851'                         | 1,548'                     | 1,617'  | 1,780'   |
| Queenston                   | Queenston                      | Queenston                  | Queenston                                       | Queenston  |
| D. & A.                     | Smoke at<br>1,480'.<br>D. & A. | D. & A.                    | Black water<br>at 1,285'-<br>1,336'.<br>D. & A. | Smoke at 1,390.<br>Black water<br>at 1,415'-1,470'.<br>D. & A. |

| COUNTY         |                                | ERIE  | ERIE                                      | ERIE  | ERIE                       |
|----------------|--------------------------------|---|---|---|----------------------------|
| QUADRANGLE     |                                | Eden  | Eden                                      | Eden  | Eden                       |
| MAP NUMBER     |                                | 42  | 43  | 44  | 45                         |
| NAME OF WELL   |                                | W. McGill<br>No. 1  | G. Smyth<br>No. 1                         | P. Blege<br>No. 1                                 | G. Machmer<br>No. 1        |
| OPERATOR       |                                | Iroquois<br>Gas Corp.   | Iroquois<br>Gas Corp.                     | Iroquois<br>Gas Corp.                             | Iroquois<br>Gas Corp.      |
| TOWNSHIP       |                                | Eden  | Eden                                      | Eden  | Eden                       |
| LATITUDE       |                                | 3,200' North<br>of 42° 40'  | 3,450' North<br>of 42° 40'                | 3,450' North<br>of 42° 40'                        | 3,100' South<br>of 42° 40' |
| LONGITUDE      |                                | 4,300' West<br>of 78° 35'   | 2,100' West<br>of 78° 35'                 | 450' East<br>of 78° 55'                           | 5,200' West<br>of 78° 50'  |
| DATE COMPLETED |                                | 4/19/12   | 2/23/12                                   | 8/17/14   | 12/29/10                   |
| ELEVATION      |                                | 765' Topo.  | 775' Topo.                                | 780' Topo.  | 920' Topo.                 |
| TULLY          |                                |   |   |   |                            |
| ONONDAGA       |                                | 585'—760'   | 592'—770'                                 | 635'—815'   | 847'—1,027'                |
| ORISKANY       |                                |   |   |   |                            |
| SALT ZONE      |                                |   |   |   |                            |
| LOCKPORT       |                                | 1,190'—1,470'   | 1,200'—1,485'                             | 1,265'—1,528'                                     | 1,477'—1,752'              |
| MEDINAN        | RED<br>MEDINA<br>(GRIMSBY)     | 1,500'—1,585'   | 1,515'—1,598'                             | 1,556'—1,631'                                     | 1,782'—1,869'              |
|                | WHITE<br>MEDINA<br>(WHIRLPOOL) | 1,609'—1,624'   | 1,623'—1,642'                             | 1,660'—1,682'                                     | 1,882'—1,905'              |
| QUEENSTON      |                                | 1,624'—   | 1,642'—                                   | 1,682'—   | 1,905'—                    |
| OSWEGO         |                                |   |   |   |                            |
| TRENTON        |                                |   |   |   |                            |
| POTSDAM        |                                |   |   |   |                            |
| PRECAMBRIAN    |                                |   |   |   |                            |
| TOTAL DEPTH    |                                | 1,637'  | 1,642'                                    | 1,692'  | 1,911'                     |
| DEEPEST FM.    |                                | Queenston   | Queenston                                 | Queenston   | Queenston                  |
| REMARKS        |                                | Smoke at 1,280'.<br>Show gas at<br>1,614'.<br>(17 Mcf.).<br>D. & A. | I. O. F. 400<br>Mcf. I. R. P.<br>325 Lbs. | Smoke and<br>black water<br>at 1,335'.<br>D. & A. | D. & A.                    |

| ERIE                        | ERIE                        | ERIE                        | ERIE                           | ERIE                       |
|-----------------------------|-----------------------------|-----------------------------|--------------------------------|----------------------------|
| Eden                        | Eden                        | Eden                        | Eden                           | Eden                       |
| 46                          | 47                          | 48                          | 49                             | 50                         |
|                             | A. Medik<br>No. 1           |                             | C. Gray<br>No. 1               | G. Grindel<br>No. 1        |
|                             | Iroquois<br>Gas Corp.       |                             | Iroquois<br>Gas Corp.          | Iroquois<br>Gas Corp.      |
| Eden                        | Eden                        | Eden                        | Eden                           | Boston                     |
| 11,800' South<br>of 42° 40' | 10,900' South<br>of 42° 40' | 14,000' North<br>of 42° 35' | 14,700' South<br>of 42° 40'    | 8,800' North<br>of 42° 40' |
| 2,100' West<br>of 78° 55'   | 1,600' West<br>of 78° 50'   | 6,300' West<br>of 78° 55'   | 3,150' West<br>of 78° 50'      | 16,900' West<br>of 78° 45' |
|                             | 3/20/23                     |                             | 11/28/22                       | 11/12/45                   |
| 785'                        | 977'                        | 745'                        | 902'                           | 890' Topo.                 |
|                             |                             |                             |                                |                            |
| 821' —                      | 1,050'—1,215'               | 823' —                      | 1,025'—1,194'                  | 795'—970'                  |
|                             |                             |                             |                                |                            |
|                             |                             |                             |                                |                            |
|                             | 1,635'—1,975'               |                             | 1,655'—1,935'                  | 1,447'—1,713'              |
| 1,742' —                    | 2,000'—2,085'               | 1,749' —                    | 1,962'—2,047'                  | 1,736'—1,819'              |
|                             | 2,090'—2,120'               |                             | 2,060'—2,087'                  | 1,830'—1,860'              |
|                             |                             |                             | 2,087' —                       | 1,860' —                   |
|                             |                             |                             |                                |                            |
|                             |                             |                             |                                |                            |
|                             |                             |                             |                                |                            |
|                             |                             |                             |                                |                            |
| N. R.                       | 2,132'                      | N. R.                       | 2,098'                         | 1,870'                     |
| N. R.                       | Queenston                   | N. R.                       | Queenston                      | Queenston                  |
|                             | D. & A.                     |                             | Water at<br>1,195'.<br>D. & A. | D. & A.                    |

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TABLE I (Cont.)

| COUNTY         |                                | ERIE                           | ERIE                       | ERIE   | ERIE  |
|----------------|--------------------------------|--------------------------------|----------------------------|--|---|
| QUADRANGLE     |                                | Eden                           | Eden                       | Eden   | Eden  |
| MAP NUMBER     |                                | 51                             | 52                         | 53   | 54  |
| NAME OF WELL   |                                | M. Matwijkow<br>No. 1          | F. Telack<br>No. 1         | G. Kabel et al.<br>No. 1                         | H. Minnick<br>No. 1                               |
| OPERATOR       |                                | Iroquois<br>Gas Corp.          | Iroquois<br>Gas Corp.      | Iroquois<br>Gas Corp.                            | Iroquois<br>Gas Corp.                             |
| TOWNSHIP       |                                | Boston                         | Boston                     | Boston   | Boston  |
| LATITUDE       |                                | 5,600' North<br>of 42° 40'     | 3,200' North<br>of 42° 40' | 4,400' North<br>of 42° 40'                       | 2,250' South<br>of 42° 40'                        |
| LONGITUDE      |                                | 16,900' West<br>of 78° 45'     | 14,400' West<br>of 78° 45' | 2,300' West<br>of 78° 45'                        | 4,800' West<br>of 78° 45'                         |
| DATE COMPLETED |                                | 6/21/45                        | 8/29/45                    | 9/28/45  | 2/16/37   |
| ELEVATION      |                                | 960' Topo.                     | 1,130' Topo.               | 920' Topo.                                       | 1,120' Topo.                                      |
| TULLY          |                                |                                |                            |  |   |
| ONONDAGA       |                                | 897'-1,072'                    | 1,055'-1,230'              | 910'-1,090'                                      | 1,164'-1,336'                                     |
| ORISKANY       |                                |                                |                            |  |   |
| SALT ZONE      |                                |                                |                            |  |   |
| LOCKPORT       |                                | 1,500'-1,808'                  | 1,670'-1,964'              | 1,570'-1,833'                                    | 1,836'-2,098'                                     |
| MEDINAN        | RED<br>MEDINA<br>(GRIMSBY)     | 1,835'-1,917'                  | 1,992'-2,072'              | 1,859'-1,937'                                    | 2,125'-2,205'                                     |
|                | WHITE<br>MEDINA<br>(WHIRLPOOL) | 1,931'-1,948'                  | 2,088'-2,114'              | 1,952'-1,974'                                    | 2,219'-2,242'                                     |
| QUEENSTON      |                                | 1,948' —                       | 2,114' —                   | 1,974' —   | 2,242' —  |
| OSWEGO         |                                |                                |                            |  |   |
| TRENTON        |                                |                                |                            |  |   |
| POTSDAM        |                                |                                |                            |  |   |
| PRECAMBRIAN    |                                |                                |                            |  |   |
| TOTAL DEPTH    |                                | N. R.                          | 2,130'                     | 1,986'   | 2,255'  |
| DEEPEST FM.    |                                | N. R.                          | Queenston                  | Queenston  | Queenston   |
| REMARKS        |                                | Smoke at<br>1,609'.<br>D. & A. | D. & A.                    | Show gas in<br>Onondaga at<br>1,090'.<br>D. & A. | Smoke and<br>black water<br>at 1,892'.<br>D. & A. |



| ERIE  | ERIE                              | ERIE                              | ERIE                        | ERIE   |
|---|-----------------------------------|-----------------------------------|-----------------------------|--|
| Eden  | Eden                              | Eden                              | Eden                        | Eden   |
| 55  | 56                                | 57                                | 58                          | 59   |
| Klimek<br>No. 1   | F. Thiel<br>No. 1                 | T. Janczewski<br>No. 1            |                             | K. Thiel<br>No. 1  |
| Iroquois<br>Gas Corp.   | Iroquois<br>Gas Corp.             | Iroquois<br>Gas Corp.             |                             | Iroquois<br>Gas Corp.  |
| Boston  | Boston                            | Boston                            | Boston                      | Boston   |
| 7,700' South<br>of 42° 40'  | 11,250' South<br>of 42° 40'       | 10,200' South<br>of 42° 40'       | 14,400' North<br>of 42° 35' | 14,400' South<br>of 42° 40'                                    |
| 6,600' West<br>of 78° 45'   | 9,350' West<br>of 78° 45'         | 5,000' West<br>of 78° 45'         | 9,100' East<br>of 78° 50'   | 7,900' West<br>of 78° 45'                                      |
| 11/27/43  | 10/5/43                           | 5/12/44                           |                             | 7/11/45  |
| 1,395' Topo.  | 1,450' Topo.                      | 1,420' Topo.                      | 1,240'                      | 1,525' Topo.   |
|   |                                   |                                   |                             |  |
| 1,491'-1,668'   | 1,584'-1,755'                     | 1,616'-1,787'                     | 1,363'—                     | 1,630'-1,804'  |
|   |                                   |                                   |                             |  |
|   |                                   |                                   |                             |  |
| 2,158'-2,438'   | 2,243'-2,526'                     | 2,275'-2,566'                     |                             | 2,290'-2,570'  |
| 2,464'-2,550'   | 2,552'-2,636'                     | 2,591'-2,680'                     | 2,312'—                     | 2,596'-2,691'  |
|   |                                   |                                   |                             |  |
| 2,564'-2,580'   | 2,650'-2,670'                     | 2,690'-2,705'                     |                             | 2,703'-2,716'  |
| 2,580'—   | 2,670'—                           | 2,705'—                           |                             | 2,716'—  |
|   |                                   |                                   |                             |  |
|   |                                   |                                   |                             |  |
|   |                                   |                                   |                             |  |
|   |                                   |                                   |                             |  |
| 2,595'  | 2,684'                            | 2,716'                            | N. R.                       | 2,728'   |
| Queenston   | Queenston                         | Queenston                         | N. R.                       | Queenston  |
| Smoke and<br>black water<br>at 2,221'.<br>Show gas at<br>2,504' &<br>2,568'.<br>D. & A. | Gas show at<br>2,658'.<br>D. & A. | Show gas at<br>1,787'.<br>D. & A. |                             | Black water<br>at 2,361'.<br>Show gas in<br>Medina.<br>D. & A. |

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TABLE I (Cont.)

| COUNTY         |                          | ERIE  | ERIE   | ERIE                     | ERIE   |
|----------------|--------------------------|---|--|--------------------------|--|
| QUADRANGLE     |                          | Eden  | Eden   | Eden                     | Eden   |
| MAP NUMBER     |                          | 60  | 61   | 62                       | 63   |
| NAME OF WELL   |                          | E. Inman No. 1                                  | J. Lutomski No. 1                                | K. Korona No. 1          | J. Schmitt No. 1   |
| OPERATOR       |                          | Iroquois Gas Corp.                              | Iroquois Gas Corp.                               | Iroquois Gas Corp.       | Iroquois Gas Corp.   |
| TOWNSHIP       |                          | Boston  | Boston   | Boston                   | Boston   |
| LATITUDE       |                          | 15,400' South of 42° 40'                        | 14,600' South of 42° 40'                         | 18,300' South of 42° 40' | 19,150' South of 42° 40'   |
| LONGITUDE      |                          | 4,600' West of 78° 45'                          | 600' West of 78° 45'                             | 14,000' West of 78° 45'  | 7,400' West of 78° 45'   |
| DATE COMPLETED |                          | 9/22/44   | 11/10/44   | 4/21/45                  | 11/30/44   |
| ELEVATION      |                          | 1,525' Topo.                                    | 1,320' Topo.                                     | 1,230' Topo.             | 1,520' Topo.   |
| TULLY          |                          |   |  |                          |  |
| ONONDAGA       |                          | 1,665'-1,740'                                   | 1,464'-1,639'                                    | 1,444'-1,614'            | 1,717'-1,890'  |
| ORISKANY       |                          |   |  |                          |  |
| SALT ZONE      |                          |   |  |                          |  |
| LOCKPORT       |                          | 2,284'-2,587'                                   | 2,080'-2,405'                                    | 2,075'-2,379'            | 2,325'-2,646'  |
| MEDINAN        | RED MEDINA (GRIMSBY)     | 2,616'-2,706'                                   | 2,428'-2,518'                                    | 2,406'-2,489'            | 2,675'-2,764'  |
|                | WHITE MEDINA (WHIRLPOOL) | 2,721'-2,733'                                   | 2,521'-2,536'                                    | 2,506'-2,522'            | 2,777'-2,799'  |
| QUEENSTON      |                          | 2,733' —  | 2,536' —   | 2,522' —                 | 2,799' —   |
| OSWEGO         |                          |   |  |                          |  |
| TRENTON        |                          |   |  |                          |  |
| POTSDAM        |                          |   |  |                          |  |
| PRECAMBRIAN    |                          |   |  |                          |  |
| TOTAL DEPTH    |                          | 2,744'  | 2,559'   | 2,536'                   | 2,811'   |
| DEEPEST FM.    |                          | Queenston                                       | Queenston  | Queenston                | Queenston  |
| REMARKS        |                          | Smoke at 2,375'. Black water at 2,380'. D. & A. | Smoke at 2,182'. Gas at 2,529'. I. O. F. 70 Mcf. | D. & A.                  | Smoke at 2,325'. (500 Mcf.). Show gas at 2,779'-2,782' (100 Mcf.). D. & A. |

| ERIE                        | ERIE                       | ERIE  | ERIE                       | ERIE   |
|-----------------------------|----------------------------|---|----------------------------|--|
| Eden                        | Eden                       | Eden  | Eden                       | Eden   |
| 64                          | 65                         | 66  | 67                         | 68   |
| B. Spoons<br>No. 1          | M. Habuer<br>No. 1         | G. Martin<br>No. 1                                | J. Mackey<br>No. 1         | E. Arschbacher<br>No. 1                      |
| Iroquois<br>Gas Corp.       | Iroquois<br>Gas Corp.      | Iroquois<br>Gas Corp.                             | Iroquois<br>Gas Corp.      | Iroquois<br>Gas Corp.                        |
| Boston                      | Brant                      | Brant   | Brant                      | Brant  |
| 19,200' South<br>of 42° 40' | 1,900' North<br>of 42° 35' | 2,300' South<br>of 42° 35'                        | 1,000' South<br>of 42° 35' | 9,000' South<br>of 42° 35'                   |
| 100' West<br>of 78° 45'     | 9,000' East<br>of 79° 00'  | 3,700' East<br>of 79° 00'                         | 9,300' East<br>of 79° 00'  | 11,100' East<br>of 79° 00'                   |
| 5/25/28                     | 12/9/24                    | 5/9/13  | 4/14/24                    | 11/20/23                                     |
| 1,210' Topo.                | 866'                       | 815' Topo.  | 845' Topo.                 | 880' Topo.                                   |
|                             |                            |   |                            |  |
| 1,580'–1,760'               | 1,051'–1,229'              | 1,012'–1,202'                                     | 1,090'–1,260'              | 1,185'–1,355'                                |
|                             |                            |   |                            |  |
|                             |                            |   |                            |  |
| 2,235'–2,516'               | 1,620'–1,944'              | 1,620'–1,910'                                     | 1,715'–1,985'              | 1,875'–2,105'                                |
| 2,544'–2,628'               | 1,967'–2,061'              | 1,930'–2,027'                                     | 2,000'–2,098'              | 2,155'–2,203'                                |
| 2,640'–2,662'               | 2,071'–2,099'              | 2,045'–2,066'                                     | 2,112'–2,128'              | 2,220'–2,234'                                |
| 2,662' –                    |                            |   |                            |  |
|                             |                            |   |                            |  |
|                             |                            |   |                            |  |
|                             |                            |   |                            |  |
|                             |                            |   |                            |  |
|                             |                            |   |                            |  |
| 2,670'                      | 2,112'                     | 2,078'  | 2,141'                     | 2,249'                                       |
| Queenston                   | Queenston                  | Queenston   | Queenston                  | Queenston                                    |
| D. & A.                     | D. & A.                    | Black water<br>at 1,700'.<br>Show gas.<br>D. & A. | D. & A.                    | Show gas at<br>2,185'.<br>46 Mcf.<br>D. & A. |

| COUNTY         |                                | ERIE                           | ERIE  | ERIE  | ERIE  |
|----------------|--------------------------------|--------------------------------|---|---|---|
| QUADRANGLE     |                                | Eden                           | Eden  | Eden  | Eden  |
| MAP NUMBER     |                                | 69                             | 70  | 71  | 72  |
| NAME OF WELL   |                                | B. Spaeth<br>No. 1             | C. Tanner<br>No. 1  | M. Baker<br>No. 2   | J. Eder<br>No. 1  |
| OPERATOR       |                                | Iroquois<br>Gas Corp.          | Iroquois<br>Gas Corp.   | Iroquois<br>Gas Corp.   | Iroquois<br>Gas Corp.                                   |
| TOWNSHIP       |                                | Brant                          | Brant   | Brant   | North Collins   |
| LATITUDE       |                                | 8,700' South<br>of 42° 35'     | 9,000' South<br>of 42° 35'  | 10,200' South<br>of 42° 35'   | 4,600' North<br>of 42° 35'                              |
| LONGITUDE      |                                | 13,600' East<br>of 79° 00'     | 15,200' East<br>of 79° 00'  | 12,500' East<br>of 79° 00'  | 5,900' East<br>of 78° 55'                               |
| DATE COMPLETED |                                | 3/5/24                         | 2/1/24  | 9/19/23   | 5/7/21  |
| ELEVATION      |                                | 804'                           | 810'  | 823'  | 1,178'  |
| TULLY          |                                |                                |   |   |   |
| ONONDAGA       |                                | 1,096'-1,236'                  | 1,101'-1,275'   | 1,130'-1,172'   | 1,364'-1,551'   |
| ORISKANY       |                                |                                |   |   |   |
| SALT ZONE      |                                |                                |   |   |   |
| LOCKPORT       |                                | 1,728'-1,997'                  | 1,734'-1,996'   | 1,758'-2,029'   | 2,001'-2,270'   |
| MEDINAN        | RED<br>MEDINA<br>(GRIMSBY)     | 2,016'-2,115'                  | 2,023'-2,118'   | 2,053'-2,145'   | 2,290'-2,374'   |
|                | WHITE<br>MEDINA<br>(WHIRLPOOL) | 2,131'-2,149'                  | 2,137'-2,159'   | 2,162'-2,183'   | 2,402'-2,424'   |
| QUEENSTON      |                                | 2,149'—                        | 2,159'—   | 2,183'—   | 2,424'—   |
| OSWEGO         |                                |                                |   |   |   |
| TRENTON        |                                |                                |   |   |   |
| POTSDAM        |                                |                                |   |   |   |
| PRECAMBRIAN    |                                |                                |   |   |   |
| TOTAL DEPTH    |                                | 2,160'                         | 2,184'  | 2,193'  | 2,438'  |
| DEEPEST FM.    |                                | Queenston                      | Queenston   | Queenston   | Queenston   |
| REMARKS        |                                | Smoke at<br>1,788'.<br>D. & A. | Gas at 2,061'.<br>I. O. F. 76 Mcf.<br>I. R. P. 580<br>Lbs. (60 hrs.). | Smoke at<br>1,818'. Gas at<br>2,166'. I. O. F.<br>685 Mcf.<br>I. R. P. 685<br>Lbs. (48 hrs.). | Show gas at<br>2,330' & 2,422'.<br>(4 Mcf.).<br>D. & A. |



| ERIE                       | ERIE                                 | ERIE                                | ERIE                           | ERIE                                 |
|----------------------------|--------------------------------------|-------------------------------------|--------------------------------|--------------------------------------|
| Eden                       | Eden                                 | Eden                                | Eden                           | Eden                                 |
| 73                         | 74                                   | 75                                  | 76                             | 77                                   |
|                            | A. Habeiner<br>No. 1                 | J. Belscher<br>No. 2                | J. Belscher<br>No. 3           | J. Decker<br>No. 1                   |
|                            | Iroquois<br>Gas Corp.                | Iroquois<br>Gas Corp.               | Iroquois<br>Gas Corp.          | Iroquois<br>Gas Corp.                |
| North Collins              | North Collins                        | North Collins                       | North Collins                  | North Collins                        |
| 2,800' North<br>of 42° 35' | 4,150' North<br>of 42° 35'           | 8,400' North<br>of 42° 35'          | 6,500' North<br>of 42° 35'     | 3,450' North<br>of 42° 35'           |
| 6,400' East<br>of 78° 55'  | 3,650' West<br>of 78° 50'            | 7,600' East<br>of 78° 50'           | 5,250' East<br>of 78° 50'      | 5,600' East<br>of 78° 50'            |
|                            | 6/15/23                              | 10/11/41                            | 2/20/42                        | 6/30/22                              |
| 1,194'                     | 1,313'                               | 1,240' Topo.                        | 1,030' Topo.                   | 1,187'                               |
|                            |                                      |                                     |                                |                                      |
| 1,400' —                   | 1,570'—1,695'                        | 1,463'—1,636'                       | 1,233'—1,392'                  | 1,434'—1,604'                        |
|                            |                                      |                                     | 1,392'—1,399'                  |                                      |
|                            |                                      |                                     |                                |                                      |
|                            | 2,105'—2,440'                        | 2,100'—2,370'                       | 1,888'—2,165'                  | 2,115'—2,382'                        |
| 2,340' —                   | 2,460'—2,543'                        | 2,398'—2,493'                       | 2,183'—2,275'                  | 2,394'—2,474'                        |
|                            | 2,570'—2,580'                        | 2,500'—2,516'                       | 2,284' —                       | 2,482'—2,500'                        |
|                            | 2,580' —                             | 2,516' —                            |                                | 2,500' —                             |
|                            |                                      |                                     |                                |                                      |
|                            |                                      |                                     |                                |                                      |
|                            |                                      |                                     |                                |                                      |
|                            |                                      |                                     |                                |                                      |
| N. R.                      | 2,600'                               | 2,546'                              | 2,309'                         | 2,512'                               |
| N. R.                      | Queenston                            | Queenston                           | Queenston                      | Queenston                            |
|                            | Black water<br>at 2,230'.<br>D. & A. | Gas at<br>2,506'—2,508'.<br>31 Mcf. | Smoke at<br>1,946'.<br>D. & A. | Show of gas<br>at 2,488'.<br>D. & A. |

| COUNTY         |                          | ERIE                    | ERIE                    | ERIE                    | ERIE   |
|----------------|--------------------------|-------------------------|-------------------------|-------------------------|--|
| QUADRANGLE     |                          | Eden                    | Eden                    | Eden                    | Eden   |
| MAP NUMBER     |                          | 78                      | 79                      | 80                      | 81   |
| NAME OF WELL   |                          |                         | P. Scheetz No. 1        | M. Dole                 | D. Wagner No. 1                                      |
| OPERATOR       |                          |                         | Iroquois Gas Corp.      | Iroquois Gas Corp.      | Iroquois Gas Corp.                                   |
| TOWNSHIP       |                          | North Collins           | North Collins           | North Collins           | North Collins  |
| LATITUDE       |                          | 2,500' South of 42° 35' | 1,200' South of 42° 35' | 3,150' South of 42° 35' | 700' South of 42° 35'                                |
| LONGITUDE      |                          | 10,100' East of 78° 55' | 5,800' West of 78° 50'  | On 78° 50'              | 6,100' East of 78° 50'                               |
| DATE COMPLETED |                          |                         | 9/29/43                 | 8/2/43                  | 10/17/46   |
| ELEVATION      |                          | 1,262'                  | 1,310' Topo.            | 1,270' Topo.            | 1,270' Topo.   |
| TULLY          |                          |                         |                         |                         |  |
| ONONDAGA       |                          | 1,509' —                | 1,623'—1,800'           | 1,547'—1,688'           | 1,584'—1,762'  |
| ORISKANY       |                          |                         |                         |                         |  |
| SALT ZONE      |                          |                         |                         |                         |  |
| LOCKPORT       |                          |                         | 2,252'—2,527'           | 2,186'—2,471'           | 2,160'—2,442'  |
| MEDINAN        | RED MEDINA (GRIMSBY)     | 2,445' —                | 2,559'—2,648'           | 2,498'—2,587'           | 2,470'—2,560'  |
|                | WHITE MEDINA (WHIRLPOOL) |                         | 2,667'—2,693'           | 2,605'—2,617'           | 2,572'—2,587'  |
| QUEENSTON      |                          |                         | 2,693' —                | 2,617' —                | 2,587' —   |
| OSWEGO         |                          |                         |                         |                         |  |
| TRENTON        |                          |                         |                         |                         |  |
| POTSDAM        |                          |                         |                         |                         |  |
| PRECAMBRIAN    |                          |                         |                         |                         |  |
| TOTAL DEPTH    |                          | N. R.                   | 2,698'                  | 2,636'                  | 2,607'   |
| DEEPEST FM.    |                          | N. R.                   | Queenston               | Queenston               | Queenston  |
| REMARKS        |                          |                         | D. & A.                 | Black water at 2,235'.  | Black water at 2,256'. Salt water at 2,584'. D. & A. |

| ERIE   | ERIE                                       | ERIE                                      | ERIE                                 | ERIE                       |
|--|--|---|--------------------------------------|----------------------------|
| Eden   | Eden                                       | Eden                                      | Eden                                 | Eden                       |
| 82   | 83   | 84  | 85                                   | 86                         |
| L. Bowman<br>No. 1   | H. Kohn<br>No. 1                           | E. Niefergold<br>No. 1                    | A. Niefergold<br>No. 1               | L. Silleman<br>No. 1       |
| Iroquois<br>Gas Corp.  | Iroquois<br>Gas Corp.                      | Iroquois<br>Gas Corp.                     | Iroquois<br>Gas Corp.                | Iroquois<br>Gas Corp.      |
| North Collins  | North Collins                              | North Collins                             | North Collins                        | North Collins              |
| 4,400' South<br>of 42° 35'   | 2,700' South<br>of 42° 35'                 | 4,400' South<br>of 42° 35'                | 6,400' South<br>of 42° 35'           | 3,800' South<br>of 42° 35' |
| 5,500' West<br>of 78° 55'  | 3,400' West<br>of 78° 55'                  | 350' West<br>of 78° 55'                   | 1,000' East<br>of 78° 55'            | 7,100' West<br>of 78° 50'  |
| 12/13/45   | 4/19/46                                    | 1/1924                                    | 9/23/12                              | 4/27/45                    |
| 835' Topo.   | 975' Topo.                                 | 1,055' Topo.                              | 1,091'                               | 1,320' Topo.               |
|  |  |   |                                      |                            |
| 1,100'–1,275'  | 1,203'–1,378'                              |   | 1,315'–1,520'                        | 1,576'–1,746'              |
|  |  |   |                                      |                            |
|  |  |   |                                      |                            |
| 1,715'–2,006'  | 1,850'–2,105'                              |   | 1,485'–2,255'                        | 2,214'–2,498'              |
| 2,035'–2,116'  | 2,133'–2,222'                              |   |                                      | 2,526'–2,610'              |
| 2,035'–2,116'  | 2,238'–2,258'                              |   | 2,392'–2,412'                        | 2,628'–2,645'              |
| 2,149' –   | 2,258' –                                   |   | 2,412' –                             | 2,645' –                   |
|  |  |   |                                      |                            |
|  |  |   |                                      |                            |
|  |  |   |                                      |                            |
|  |  |   |                                      |                            |
| 2,166'   | 2,274'                                     | 1,506'                                    | 2,426'                               | 2,663'                     |
| Queenston  | Queenston                                  | Queenston                                 | Queenston                            | Queenston                  |
| Gas at 1,270',<br>2,091' &<br>2,146'–2,148'.<br>(7 Mcf.).<br>D. & A. | Show gas at<br>1,378' & 2,253'.<br>D. & A. | Producer from<br>Onondaga or<br>Oriskany. | Black water<br>at 2,090'.<br>D. & A. | D. & A.                    |

| COUNTY         |                                | ERIE                       | ERIE                       | ERIE                                       | ERIE                              |
|----------------|--------------------------------|----------------------------|----------------------------|--|-----------------------------------|
| QUADRANGLE     |                                | Eden                       | Eden                       | Eden                                       | Eden                              |
| MAP NUMBER     |                                | 87                         | 88                         | 89   | 90                                |
| NAME OF WELL   |                                | Schmitz                    | J. Zaumetzer<br>No. 1      | J. Schmitz<br>No. 1                        | A. Schmitz<br>No. 1               |
| OPERATOR       |                                |                            | Iroquois<br>Gas Corp.      | Iroquois<br>Gas Corp.                      | Iroquois<br>Gas Corp.             |
| TOWNSHIP       |                                | North Collins              | North Collins              | North Collins                              | North Collins                     |
| LATITUDE       |                                | 7,300' South<br>of 42° 35' | 7,800' South<br>of 42° 35' | 6,800' South<br>of 42° 35'                 | 6,500' South<br>of 42° 35'        |
| LONGITUDE      |                                | 5,200' West<br>of 78° 50'  | 850' East<br>of 78° 50'    | 7,000' East<br>of 78° 50'                  | 11,500' East<br>of 78° 50'        |
| DATE COMPLETED |                                |                            | 6/21/45                    | 10/18/42                                   | 5/5/43                            |
| ELEVATION      |                                | 1,210'                     | 1,415' Topo.               | 1,405' Topo.                               | 1,370' Topo.                      |
| TULLY          |                                |                            |                            |  |                                   |
| ONONDAGA       |                                | 1,509' —                   | 1,651'—1,821'              | 1,699'—1,859'                              | 1,649'—1,802'                     |
| ORISKANY       |                                |                            |                            | 1,859'—1,877'                              | 1,802'—1,826'                     |
| SALT ZONE      |                                |                            |                            |  |                                   |
| LOCKPORT       |                                |                            | 2,279'—2,591'              |  |                                   |
| MEDINAN        | RED<br>MEDINA<br>(GRIMSBY)     | 2,457' —                   | 2,618'—2,713'              |  |                                   |
|                | WHITE<br>MEDINA<br>(WHIRLPOOL) |                            | 2,729'—2,741'              |  |                                   |
| QUEENSTON      |                                |                            | 2,741' —                   |  |                                   |
| OSWEGO         |                                |                            |                            |  |                                   |
| TRENTON        |                                |                            |                            |  |                                   |
| POTSDAM        |                                |                            |                            |  |                                   |
| PRECAMBRIAN    |                                |                            |                            |  |                                   |
| TOTAL DEPTH    |                                | N. R.                      | 2,750'                     | 1,897'                                     | 1,830'                            |
| DEEPEST FM.    |                                | N. R.                      | Queenston                  | Oriskany                                   | Oriskany                          |
| REMARKS        |                                |                            | Dry.<br>D. & A.            | Show gas at<br>1,868' & 1,872'.<br>D. & A. | Show gas at<br>1,824'.<br>D. & A. |



TABLE I (Cont.)

| ERIE                              | ERIE  | ERIE                        | ERIE                       | ERIE                              |
|-----------------------------------|---|-----------------------------|----------------------------|-----------------------------------|
| Eden                              | Eden  | Eden                        | Eden                       | Eden                              |
| 91                                | 92  | 93                          | 94                         | 95                                |
| J. Koch<br>No. 1                  | E. Hoffman  | A. & J. Niefergold<br>No. 1 |                            | A. Schmitz<br>No. 2               |
| Iroquois<br>Gas Corp.             | Iroquois<br>Gas Corp.   | Iroquois<br>Gas Corp.       |                            | Iroquois<br>Gas Corp.             |
| North Collins                     | North Collins   | North Collins               | North Collins              | North Collins                     |
| 12,200' South<br>of 42° 35'       | 8,000' South<br>of 42° 35'  | 11,850' South<br>of 42° 35' | 9,200' South<br>of 42° 35' | 8,200' South<br>of 42° 35'        |
| 6,800' West<br>of 78° 55'         | 2,500' West<br>of 78° 55'   | 3,250' East<br>of 78° 55'   | 10,900' West<br>of 78° 50' | 6,400' West<br>of 78° 50'         |
| 1/1/23                            | 5/20/46   | 7/28/20                     |                            | 10/4/19                           |
| 809'                              | 960' Topo.  | 1,115'                      | 1,250'                     | 1,213'                            |
|                                   |   |                             |                            |                                   |
| 1,125'–1,300'                     | 1,268'–1,442'   | 1,420'–1,600'               | 1,547' –                   | 1,512'–1,687'                     |
|                                   |   |                             |                            |                                   |
|                                   |   |                             |                            |                                   |
| 1,775'–2,054'                     | 1,860'–2,171'   | 1,975'–2,339'               |                            | 2,195'–2,440'                     |
| 2,064'–2,148'                     | 2,199'–2,291'   | 2,364'–2,460'               | 2,498' –                   | 2,460'–2,545'                     |
|                                   |   |                             |                            |                                   |
| 2,159'–2,180'                     | 2,307'–2,327'   | 2,471'–2,491'               |                            | 2,560'–2,582'                     |
| 2,180' –                          | 2,327' –  | 2,491' –                    |                            | 2,582' –                          |
|                                   |   |                             |                            |                                   |
|                                   |   |                             |                            |                                   |
|                                   |   |                             |                            |                                   |
|                                   |   |                             |                            |                                   |
| 2,190'                            | 2,345'  | 2,505'                      | N. R.                      | 2,593'                            |
| Queenston                         | Queenston   | Queenston                   | N. R.                      | Queenston                         |
| Show gas at<br>2,163'.<br>D. & A. | Smoke and<br>black water<br>at 1,997'.<br>Show gas at<br>2,323'.<br>(18 Mcf.).<br>D. & A. | D. & A.                     | D. & A.                    | Salt water<br>at 500'.<br>D. & A. |

| COUNTY         |                                | ERIE                       | ERIE  | ERIE                              | ERIE  |
|----------------|--------------------------------|----------------------------|---|-----------------------------------|---|
| QUADRANGLE     |                                | Eden                       | Eden  | Eden                              | Eden  |
| MAP NUMBER     |                                | 96                         | 97  | 98                                | 99  |
| NAME OF WELL   |                                | H. Clark<br>No. 2          | D. Dillingham<br>No. 1  | E. Twinning<br>No. 1              | F. Kohn<br>No. 1                                    |
| OPERATOR       |                                | Iroquois<br>Gas Corp.      | Iroquois<br>Gas Corp.   | Iroquois<br>Gas Corp.             | Iroquois<br>Gas Corp.                               |
| TOWNSHIP       |                                | North Collins              | North Collins   | North Collins                     | North Collins                                       |
| LATITUDE       |                                | 7,900' South<br>of 42° 35' | 17,100' South<br>of 42° 35'   | 14,100' South<br>of 42° 35'       | 16,300' South<br>of 42° 35'                         |
| LONGITUDE      |                                | 9,800' East<br>of 78° 50'  | 300' West<br>of 78° 55'   | 6,400' East<br>of 78° 55'         | 6,500' West<br>of 78° 50'                           |
| DATE COMPLETED |                                | 1/18/43                    | 2/21/17   | 9/3/16                            | 8/22/13   |
| ELEVATION      |                                | 1,415' Topo.               | 957'  | 1,136'                            | 1,148'  |
| TULLY          |                                |                            |   |                                   |   |
| ONONDAGA       |                                | 1,704'-1,862'              | 1,321'-1,485'   | 1,465'-1,630'                     | 1,495'-1,675'                                       |
| ORISKANY       |                                | 1,862'-1,884'              |   |                                   |   |
| SALT ZONE      |                                |                            |   |                                   |   |
| LOCKPORT       |                                |                            |   |                                   | 2,145'-2,425'                                       |
| MEDINAN        | RED<br>MEDINA<br>(GRIMSBY)     |                            |   |                                   | 2,450'-2,543'                                       |
|                | WHITE<br>MEDINA<br>(WHIRLPOOL) |                            |   |                                   | 2,563'-2,566'                                       |
| QUEENSTON      |                                |                            |   |                                   | 2,566' —  |
| OSWEGO         |                                |                            |   |                                   |   |
| TRENTON        |                                |                            |   |                                   |   |
| POTSDAM        |                                |                            |   |                                   |   |
| PRECAMBRIAN    |                                |                            |   |                                   |   |
| TOTAL DEPTH    |                                | 1,894'                     | 2,050'±   | 1,690'                            | 2,607'  |
| DEEPEST FM.    |                                | Oriskany                   | Oriskany?   | Oriskany                          | Queenston   |
| REMARKS        |                                | I. O. F. 21 Mcf.           | Water at<br>1,970'. Show<br>gas at<br>1,485'-1,491'.<br>I. O. F. 26 Mcf.<br>P. & A. | Show gas at<br>1,633'.<br>D. & A. | I. O. F. 36 Mcf.<br>I. R. P. 365<br>Lbs. (76 hrs.). |

| ERIE                           | ERIE   | ERIE                        | ERIE                        | ERIE                        |
|--------------------------------|--|-----------------------------|-----------------------------|-----------------------------|
| Eden                           | Eden   | Eden                        | Eden                        | Eden                        |
| 100                            | 101  | 102                         | 103                         | 104                         |
| G. Hyde<br>No. 1               | J. Weber<br>No. 1  | N. Smith<br>No. 2           | F. Taylor<br>No. 1          |                             |
| Iroquois<br>Gas Corp.          | Iroquois<br>Gas Corp.  | Iroquois<br>Gas Corp.       | Iroquois<br>Gas Corp.       |                             |
| North Collins                  | North Collins  | North Collins               | North Collins               | North Collins               |
| 15,000' South<br>of 42° 35'    | 14,200' South<br>of 42° 35'  | 15,100' South<br>of 42° 35' | 17,500' South<br>of 42° 35' | 13,600' North<br>of 42° 30' |
| 1,600' West<br>of 78° 50'      | 5,700' East<br>of 78° 50'  | 10,300' East<br>of 78° 50'  | 5,200' West<br>of 78° 55'   | 600' East<br>of 78° 55'     |
| 9/28/16                        | 1/2/42   | 9/28/22                     | 3/30/20                     |                             |
| 1,336'                         | 1,485' Topo.   | 1,542'                      | 819'                        | 931'                        |
|                                |  |                             |                             |                             |
| 1,695'-1,880'                  | 1,886'-2,043'  | 1,935'-2,109'               | 1,180'-1,355'               | 1,292' —                    |
|                                | 2,043'-2,058'  |                             |                             |                             |
|                                |  |                             |                             |                             |
| 2,310'-2,620'                  |  | 2,580'-2,890'               | 1,850'-2,102'               |                             |
| 2,627'-2,740'                  |  | 2,904'-2,982'               | 2,129'-2,216'               | 2,244' —                    |
|                                |  |                             |                             |                             |
| 2,755'-2,762'                  |  | 2,990'-3,015'               | 2,230'-2,251'               |                             |
| 2,762' —                       |  | 3,015' —                    | 2,251' —                    |                             |
|                                |  |                             |                             |                             |
|                                |  |                             |                             |                             |
|                                |  |                             |                             |                             |
|                                |  |                             |                             |                             |
| 2,769'                         | 2,067'   | 3,025'                      | 2,262'                      | N. R.                       |
| Queenston                      | Oriskany   | Queenston                   | Queenston                   | N. R.                       |
| Smoke at<br>2,402'.<br>D. & A. | Gas at 2,049' &<br>2,053'-2,058'.<br>I. O. F. 353<br>Mcf. I. R. P.<br>372 Lbs.<br>(60 hrs.). | D. & A.                     | D. & A.                     |                             |

## NEW YORK

TABLE I (Cont.)

| COUNTY         |                                | ERIE   | ERIE                        | ERIE                        | ERIE                        |
|----------------|--------------------------------|--|-----------------------------|-----------------------------|-----------------------------|
| QUADRANGLE     |                                | Eden   | Eden                        | Eden                        | Eden                        |
| MAP NUMBER     |                                | 105  | 106                         | 107                         | 108                         |
| NAME OF WELL   |                                | F. Heary<br>No. 1  | J. Boardway<br>No. 1        | H. Mackmer<br>No. 1         | Stearns<br>No. 1            |
| OPERATOR       |                                | Iroquois<br>Gas Corp.  | Iroquois<br>Gas Corp.       | Iroquois<br>Gas Corp.       | Iroquois<br>Gas Corp.       |
| TOWNSHIP       |                                | North Collins  | North Collins               | North Collins               | North Collins               |
| LATITUDE       |                                | 15,500' South<br>of 42° 35'  | 16,700' South<br>of 42° 35' | 18,500' South<br>of 42° 35' | 17,700' South<br>of 42° 35' |
| LONGITUDE      |                                | 4,500' East<br>of 78° 55'  | 10,500' West<br>of 78° 50'  | 8,600' West<br>of 78° 50'   | 2,700' West<br>of 78° 50'   |
| DATE COMPLETED |                                | 7/12/16  | 3/30/17                     | 11/14/13                    | 9/18/41                     |
| ELEVATION      |                                | 1,102'   | 1,150'                      | 1,165'                      | 1,245' Topo.                |
| TULLY          |                                |  |                             |                             |                             |
| ONONDAGA       |                                | 1,439'-1,604'  | 1,508'-1,680'               | 1,545'-1,725'               | 1,668'-1,832'               |
| ORISKANY       |                                |  |                             |                             | 1,832'-1,841'               |
| SALT ZONE      |                                |  |                             |                             |                             |
| LOCKPORT       |                                |  |                             | 2,195'-2,530'               |                             |
| MEDINAN        | RED<br>MEDINA<br>(GRIMSBY)     |  |                             | 2,537'-2,585'               |                             |
|                | WHITE<br>MEDINA<br>(WHIRLPOOL) |  |                             | 2,603'-2,613'               |                             |
| QUEENSTON      |                                |  |                             | 2,613'—                     |                             |
| OSWEGO         |                                |  |                             |                             |                             |
| TRENTON        |                                |  |                             |                             |                             |
| POTSDAM        |                                |  |                             |                             |                             |
| PRECAMBRIAN    |                                |  |                             |                             |                             |
| TOTAL DEPTH    |                                | 1,629'   | 1,705'                      | 2,623'                      | 1,859'                      |
| DEEPEST FM.    |                                | Oriskany   | Oriskany?                   | Queenston                   | Oriskany                    |
| REMARKS        |                                | Gas at<br>1,605'-1,617'<br>I. O. F. 134<br>Mcf. I. R. P.<br>565 Lbs. | D. & A.                     | D. & A.                     | Gas at 1,835'.<br>D. & A.   |



TABLE I (Cont.)

| ERIE                        | ERIE                       | ERIE                       | ERIE  | ERIE                       |
|-----------------------------|----------------------------|----------------------------|---|----------------------------|
| Eden                        | Eden                       | Eden                       | Eden  | Eden                       |
| 109                         | 110                        | 111                        | 112   | 113                        |
| A. Schmitz<br>No. 1         |                            | Brown<br>No. 1             | Serial<br>No. 796   |                            |
| Iroquois<br>Gas Corp.       |                            | Iroquois<br>Gas Corp.      | Iroquois<br>Gas Corp.   |                            |
| North Collins               | Concord                    | Concord                    | Concord   | Concord                    |
| 16,500' South<br>of 42° 35' | 8,400' North<br>of 42° 35' | 4,200' North<br>of 42° 35' | 2,850' North<br>of 42° 35'  | 2,200' South<br>of 42° 35' |
| 5,200' East<br>of 78° 50'   | 5,100' West<br>of 78° 45'  | 4,800' West<br>of 78° 45'  | 1,100' West<br>of 78° 45'   | 4,800' West<br>of 78° 45'  |
| 3/16/42                     |                            | 5/14/26                    | 1925  |                            |
| 1,465' Topo.                | 1,592'                     | 1,580' Topo.               | 1,560'  | 1,333'                     |
|                             |                            |                            |   |                            |
| 1,887'–2,049'               | 1,789' –                   | 1,810'–1,982'              | 1,810'–1,970'   | 1,618' –                   |
| 2,049'–2,060'               |                            |                            | N. P.   |                            |
|                             |                            |                            | N. P.   |                            |
|                             |                            | 2,480'–2,761'              | 2,466'–2,661'   |                            |
|                             | 2,748' –                   | 2,778'–2,849'              | 2,782'–2,824'   | 2,581' –                   |
|                             |                            | 2,863'–2,881'              | 2,880'–2,890'   |                            |
|                             |                            | 2,881' –                   | 2,890' –  |                            |
|                             |                            |                            |   |                            |
|                             |                            |                            |   |                            |
|                             |                            |                            |   |                            |
|                             |                            |                            |   |                            |
| 2,076'                      | N. R.                      | 2,895'                     | 2,908'  | N. R.                      |
| Oriskany                    | N. R.                      | Queenston                  | Queenston   | N. R.                      |
| Dry.<br>D. & A.             |                            | D. & A.                    | Salt water at<br>1,992', 2,531' &<br>2,884'. Show<br>gas at 531',<br>540', 690',<br>1,997' & 2,524'.<br>Show oil at<br>1,977'.<br>P. & A. |                            |

| COUNTY         |                                | ERIE                       | ERIE                       | ERIE                       | ERIE   |
|----------------|--------------------------------|----------------------------|----------------------------|----------------------------|--|
| QUADRANGLE     |                                | Eden                       | Eden                       | Eden                       | Eden   |
| MAP NUMBER     |                                | 114                        | 115                        | 116                        | 117  |
| NAME OF WELL   |                                |                            |                            |                            | G. Batton<br>No. 1   |
| OPERATOR       |                                |                            |                            |                            | Reservation<br>Gas Co.   |
| TOWNSHIP       |                                | Concord                    | Concord                    | Concord                    | Collins  |
| LATITUDE       |                                | 6,400' South<br>of 42° 35' | 5,700' South<br>of 42° 35' | 9,400' South<br>of 42° 35' | 13,500' South<br>of 42° 35'                                      |
| LONGITUDE      |                                | 5,500' West<br>of 78° 45'  | 500' West<br>of 78° 45'    | 4,700' West<br>of 78° 45'  | 1,100' East<br>of 79° 00'  |
| DATE COMPLETED |                                |                            |                            |                            | Before 1925  |
| ELEVATION      |                                | 1,267'                     | 1,507'                     | 1,282'                     | 650'   |
| TULLY          |                                |                            |                            |                            |  |
| ONONDAGA       |                                | 1,595' —                   | 1,836' —                   | 1,625' —                   | 940'–1,120'  |
| ORISKANY       |                                |                            |                            |                            |  |
| SALT ZONE      |                                |                            |                            |                            |  |
| LOCKPORT       |                                |                            |                            |                            |  |
| MEDINAN        | RED<br>MEDINA<br>(GRIMSBY)     | 2,550' —                   | 2,793' —                   | 2,600' —                   | 1,850'–1,942'  |
|                | WHITE<br>MEDINA<br>(WHIRLPOOL) |                            |                            |                            | 1,962'–1,978'  |
| QUEENSTON      |                                |                            |                            |                            | 1,978' —   |
| OSWEGO         |                                |                            |                            |                            |  |
| TRENTON        |                                |                            |                            |                            | 3,835'–4,535'  |
| POTSDAM        |                                |                            |                            |                            | 4,535'–4,600'  |
| PRECAMBRIAN    |                                |                            |                            |                            | 4,600' +   |
| TOTAL DEPTH    |                                | N. R.                      | N. R.                      | N. R.                      | 4,602'   |
| DEEPEST FM.    |                                | N. R.                      | N. R.                      | N. R.                      | Granite?   |
| REMARKS        |                                |                            |                            |                            | Clinton at<br>1,830'–1,850'.<br>Gas at 3,855'.<br>P. & A.<br>**p |

| ERIE                        | ERIE                        | ERIE                        | ERIE                        | ERIE                       |
|-----------------------------|-----------------------------|-----------------------------|-----------------------------|----------------------------|
| Eden                        | Eden                        | Eden                        | Eden                        | Eden                       |
| 118                         | 119                         | 120                         | 121                         | 122                        |
| Sandy                       | Jones                       |                             | Hoge                        | Crowe                      |
|                             |                             |                             |                             |                            |
| Collins                     | Collins                     | Collins                     | Collins                     | Collins                    |
| 14,000' South<br>of 42° 35' | 12,600' South<br>of 42° 35' | 15,700' North<br>of 42° 30' | 10,700' North<br>of 42° 30' | 5,600' North<br>of 42° 30' |
| 6,300' East<br>of 79° 00'   | 11,100' West<br>of 78° 55'  | 10,300' West<br>of 78° 55'  | 6,300' East<br>of 79° 00'   | 8,200' East<br>of 79° 00'  |
|                             |                             |                             |                             |                            |
| 838'                        | 890' Topo.                  | 855'                        | 789'                        | 815'                       |
|                             |                             |                             |                             |                            |
| 1,160'—                     | 1,173'—                     | 1,190'—                     | 1,172'—                     | 1,215'—                    |
|                             |                             |                             |                             |                            |
|                             |                             |                             |                             |                            |
|                             |                             |                             |                             |                            |
| 2,081'—2,178'               | 2,141'—2,225'               | 2,131'—2,214'               | 2,106'—2,188'               | 2,162'—2,252'              |
| 2,196'—2,216'               | 2,245'—                     | 2,227'—                     | 2,208'—                     | 2,272'—2,292'              |
| 2,216'—                     |                             |                             |                             | 2,292'—                    |
|                             |                             |                             |                             |                            |
|                             |                             |                             |                             |                            |
|                             |                             |                             |                             |                            |
|                             |                             |                             |                             |                            |
| N. R.                       | 2,265'                      | 2,248'±                     | 2,226'                      | 2,392'                     |
| Queenston                   | Queenston                   | Queenston                   | Queenston                   | Queenston                  |
|                             |                             |                             |                             |                            |

| COUNTY         |                                | ERIE   | ERIE  | ERIE                        | ERIE  |
|----------------|--------------------------------|--|---|-----------------------------|---|
| QUADRANGLE     |                                | Eden   | Eden  | Eden                        | Eden  |
| MAP NUMBER     |                                | 123  | 124   | 125                         | 126   |
| NAME OF WELL   |                                | P. Willett<br>No. 1  | E. Rogers<br>No. 1  |                             | F. Brooks<br>No. 1  |
| OPERATOR       |                                | Iroquois<br>Gas Corp.  | Iroquois<br>Gas Corp.   |                             | Iroquois<br>Gas Corp.                                       |
| TOWNSHIP       |                                | Collins  | Collins   | Collins                     | Collins   |
| LATITUDE       |                                | 10,500' North<br>of 42° 30'  | 10,800' North<br>of 42° 30'   | 11,600' North<br>of 42° 30' | 11,350' North<br>of 42° 30'                                 |
| LONGITUDE      |                                | 6,450' West<br>of 78° 55'  | 1,900' West<br>of 77° 55'   | 3,200' East<br>of 78° 55'   | 2,000' East<br>of 78° 50'                                   |
| DATE COMPLETED |                                | 10/1/18  | 5/4/18  |                             | 8/13/15   |
| ELEVATION      |                                | 826'   | 922'  | 1,029'                      | 1,408'  |
| TULLY          |                                |  |   |                             |   |
| ONONDAGA       |                                | 1,220'-1,390'  | 1,317'-1,489'   | 1,402'—                     | 1,813'-1,975'   |
| ORISKANY       |                                |  |   |                             |   |
| SALT ZONE      |                                |  |   |                             |   |
| LOCKPORT       |                                |  |   |                             |   |
| MEDINAN        | RED<br>MEDINA<br>(GRIMSBY)     | 2,155'-2,249'  |   | 2,351'—                     |   |
|                | WHITE<br>MEDINA<br>(WHIRLPOOL) | 2,259'-2,277'  |   |                             |   |
| QUEENSTON      |                                | 2,277'—  |   |                             |   |
| OSWEGO         |                                |  |   |                             |   |
| TRENTON        |                                |  |   |                             |   |
| POTSDAM        |                                |  |   |                             |   |
| PRECAMBRIAN    |                                |  |   |                             |   |
| TOTAL DEPTH    |                                | 2,281'   | 1,510'  | N. R.                       | 2,016'  |
| DEEPEST FM.    |                                | Queenston  | Onondaga?   | N. R.                       | Onondaga?   |
| REMARKS        |                                | Smoke at<br>1,960'. Black<br>water at<br>1,910'. Show<br>gas at 1,390'.<br>D. & A. | Gas at 1,489'.<br>I. O. F. 143<br>Mcf. I. R. P.<br>600 Lbs.<br>(18 hrs.). |                             | Gas at 1,975'.<br>I. O. F. 885<br>Mcf. I. R. P.<br>585 Lbs. |



| ERIE                              | ERIE                        | ERIE  | ERIE  | ERIE  |
|-----------------------------------|-----------------------------|---|---|---|
| Eden                              | Eden                        | Eden  | Eden  | Eden  |
| 127                               | 128                         | 129   | 130   | 131   |
| H. Crowell<br>No. 1               | F. Harey<br>No. 1           | J. Cheplo<br>No. 1  | E. Beck<br>No. 1  | V. Fasner<br>No. 1  |
| Iroquois<br>Gas Corp.             | Iroquois<br>Gas Corp.       | Iroquois<br>Gas Corp.   | Iroquois<br>Gas Corp.   | Iroquois<br>Gas Corp.   |
| Collins                           | Collins                     | Collins   | Collins   | Collins   |
| 11,600' North<br>of 42° 30'       | 10,300' North<br>of 42° 30' | 7,300' North<br>of 42° 30'                                      | 6,700' North<br>of 42° 30'  | 7,400' North<br>of 42° 30'  |
| 7,775' East<br>of 78° 50'         | 11,400' East<br>of 78° 50'  | 1,000' East<br>of 78° 55'                                       | 9,700' East<br>of 78° 55'   | 9,100' West<br>of 78° 50'   |
| 10/3/23                           | 1/3/24                      | 4/21/44   | 10/3/14   | 12/16/22  |
| 1,495'                            | 1,453'                      | 985' Topo.  | 1,038'  | 1,122'  |
|                                   |                             |   |   |   |
| 1,859'–2,029'                     | 1,895'–2,067'               | 1,400'–1,572'   | 1,438'–1,605'   | 1,521'–1,706'   |
|                                   |                             |   |   |   |
|                                   |                             |   |   |   |
|                                   |                             | 2,025'–2,327'   | 2,115'–2,395'   | 2,125'–2,482'   |
|                                   |                             | 2,359'–2,444'   |   | 2,505'–2,600'   |
|                                   |                             | 2,459'–2,475'   |   | 2,615'–2,626'   |
|                                   |                             | 2,475'—   |   | 2,626'—   |
|                                   |                             |   |   |   |
|                                   |                             |   |   |   |
|                                   |                             |   |   |   |
|                                   |                             |   |   |   |
|                                   |                             |   |   |   |
| 2,060'                            | 2,080'                      | 2,488'  | 2,548'  | 2,637'  |
| Onondaga?                         | Onondaga?                   | Queenston   | Queenston   | Queenston   |
| Show gas at<br>2,029'.<br>D. & A. | D. & A.                     | Smoke at 2,118'.<br>Black water<br>at 2,118'–2,178'.<br>D. & A. | Black water<br>at 2,185'.<br>Show gas at<br>1,605'–1,609'.<br>(26 Mcf.).<br>D. & A. | Smoke at<br>2,261'. Show<br>of gas at<br>2,506'. (44 Mcf).<br>in Onondaga.<br>D. & A. |

| COUNTY         |                                | ERIE  | ERIE                       | ERIE  | ERIE   |
|----------------|--------------------------------|---|----------------------------|---|--|
| QUADRANGLE     |                                | Eden  | Eden                       | Eden  | Eden   |
| MAP NUMBER     |                                | 132   | 133                        | 134   | 135  |
| NAME OF WELL   |                                | M. Schmitz<br>No. 1   | Richardson                 | S. Willett<br>No. 1   | D. Law<br>No. 1  |
| OPERATOR       |                                | Iroquois<br>Gas Corp.   | Iroquois<br>Gas Corp.      | Iroquois<br>Gas Corp.   | Iroquois<br>Gas Corp.  |
| TOWNSHIP       |                                | Collins   | Collins                    | Collins   | Collins  |
| LATITUDE       |                                | 8,100' North<br>of 42° 30'  | 6,700' North<br>of 42° 30' | 6,100' North<br>of 42° 30'  | 4,500' North<br>of 42° 30'   |
| LONGITUDE      |                                | 9,800' East<br>of 78° 50'   | 9,000' West<br>of 78° 45'  | 6,400' West<br>of 78° 55'   | 3,500' West<br>of 78° 55'  |
| DATE COMPLETED |                                | 10/31/24  |                            | 11/25/21  | 4/11/22  |
| ELEVATION      |                                | 1,417'  | 1,440'                     | 754'  | 782'   |
| TULLY          |                                |   |                            |   |  |
| ONONDAGA       |                                | 1,856'–2,029'   | 1,925'–                    | 1,190'–1,370'   | 1,249'–1,421'  |
| ORISKANY       |                                |   |                            |   |  |
| SALT ZONE      |                                |   |                            |   |  |
| LOCKPORT       |                                |   |                            | 1,920'–2,117'   | 1,900'–2,167'  |
| MEDINAN        | RED<br>MEDINA<br>(GRIMSBY)     |   | 2,815'–                    | 2,142'–2,230'   | 2,189'–2,274'  |
|                | WHITE<br>MEDINA<br>(WHIRLPOOL) |   | 2,955'–                    | 2,245'–2,263'   | 2,294'–2,312'  |
| QUEENSTON      |                                |   | 2,990'–                    | 2,263'–   | 2,312'–  |
| OSWEGO         |                                |   |                            |   |  |
| TRENTON        |                                |   |                            |   |  |
| POTSDAM        |                                |   |                            |   |  |
| PRECAMBRIAN    |                                |   |                            |   |  |
| TOTAL DEPTH    |                                | 2,038'  | 3,303'                     | 2,270'  | 2,338'   |
| DEEPEST FM.    |                                | Onondaga  | Queenston                  | Queenston   | Queenston  |
| REMARKS        |                                | Gas at 2,029'.<br>I. O. F. 76 Mcf.<br>I. R. P. 550<br>Lbs. (48 hrs.). |                            | Gas at 2,259'.<br>I. O. F. 111<br>Mcf. I. R. P.<br>475 Lbs.<br>(48 hrs.). | Gas at 2,302',<br>2,308' & 2,317'.<br>I. O. F. 180<br>Mcf. 147 Mcf.<br>(in 12 hrs.). |

| ERIE  | ERIE  | ERIE  | ERIE                       | ERIE                      |
|---|---|---|----------------------------|---------------------------|
| Eden  | Eden  | Eden  | Eden                       | Eden                      |
| 136   | 137   | 138   | 139                        | 140                       |
| Johnson<br>No. 1  | F. Bettker<br>No. 1   | E. Perry<br>No. 1   | E. Buckey<br>No. 1         |                           |
| Iroquois<br>Gas Corp.   | Iroquois<br>Gas Corp.   | Iroquois<br>Gas Corp.                                       | Iroquois<br>Gas Corp.      |                           |
| Collins   | Collins   | Collins   | Collins                    | Collins                   |
| 5,300' North<br>of 42° 30'  | 3,800' North<br>of 42° 30'  | 3,200' North<br>of 42° 30'                                  | 3,500' North<br>of 42° 30' | 400' North<br>of 42° 30'  |
| 1,700' East<br>of 78° 55'   | 6,400' East<br>of 78° 55'   | 4,050' West<br>of 78° 50'                                   | 1,700' East<br>of 78° 50'  | 6,500' West<br>of 78° 50' |
| 8/30/43   | 9/12/44   | 9/20/22   | 10/8/20                    |                           |
| 940' Topo.  | 1,020' Topo.  | 1,165'  | 1,307'                     | 1,107'                    |
|   |   |   |                            |                           |
| 1,378'-1,546'   | 1,453'-1,623'   | 1,652'-1,807'   | 1,777'-1,947'              | 1,590' —                  |
| 1,546'-1,562'   |   |   |                            |                           |
|   |   |   |                            |                           |
| 2,015'-2,298'   | 2,095'-2,405'   | 2,200'-2,595'   | 2,450'-2,716'              |                           |
| 2,330'-2,422'   | 2,443'-2,523'   | 2,614'-2,700'   | 2,729'-2,839'              | 2,599' —                  |
|   |   |   |                            |                           |
| 2,435'-2,452'   | 2,543'-2,553'   | 2,723'-2,728'   | 2,845'-2,855'              |                           |
| 2,452' —  | 2,553' —  | 2,728' —  | 2,855' —                   |                           |
|   |   |   |                            |                           |
|   |   |   |                            |                           |
|   |   |   |                            |                           |
|   |   |   |                            |                           |
| 2,470'  | 2,575'  | 2,740'  | 2,867'                     | N. R.                     |
| Queenston   | Queenston   | Queenston   | Queenston                  | N. R.                     |
| Show of gas<br>in Onondaga,<br>Oriskany and<br>Clinton at<br>1,501', 1,559',<br>1,562' & 2,320'.<br>P. & A. | Smoke at 2,181'.<br>Black water<br>at 2,196'.<br>Show gas at<br>1,435'. Show<br>oil.<br>D. & A. | Smoke at<br>2,390'. Black<br>water at<br>2,430'.<br>D. & A. | D. & A.                    |                           |

| COUNTY         |                                | CATTARAUGUS                | ERIE  | ERIE                                 | ERIE                                 |
|----------------|--------------------------------|----------------------------|---|--------------------------------------|--------------------------------------|
| QUADRANGLE     |                                | Eden                       | Eden  | Silver Creek                         | Silver Creek                         |
| MAP NUMBER     |                                | 141                        | 142   | 1                                    | 2                                    |
| NAME OF WELL   |                                | K. Harvey<br>No. 1         | M. J. Depher<br>No. 1   | C. Brown<br>No. 1                    | H. Bosworth<br>No. 1                 |
| OPERATOR       |                                |                            | Iroquois<br>Gas Corp.   | Iroquois<br>Gas Corp.                | Iroquois<br>Gas Corp.                |
| TOWNSHIP       |                                | Perrysburg                 | Evans   | Evans                                | Evans                                |
| LATITUDE       |                                | 1,260' North<br>of 42° 30' | 850' North<br>of 42° 40'  | 1,100' North<br>of 42° 40'           | 9,175' South<br>of 42° 40'           |
| LONGITUDE      |                                | 3,800' East<br>of 79° 00'  | 4,100' East<br>of 79° 00'   | 7,500' West<br>of 79° 00'            | 11,400' West<br>of 79° 00'           |
| DATE COMPLETED |                                |                            | 5/2/51  | 9/20/12                              | 11/7/12                              |
| ELEVATION      |                                | 820' Topo.                 | 665' Topo.  | 614'                                 | 658'                                 |
| TULLY          |                                |                            |   |                                      |                                      |
| ONONDAGA       |                                |                            | 545'-735'   | 450'-650'                            | 575'-775'                            |
| ORISKANY       |                                |                            |   |                                      |                                      |
| SALT ZONE      |                                |                            |   |                                      |                                      |
| LOCKPORT       |                                |                            | 1,170'-1,437'   | 1,050'-1,339'                        | 1,200'-1,464'                        |
| MEDINAN        | RED<br>MEDINA<br>(GRIMSBY)     |                            | 1,462'-1,548'   | 1,367'-1,447'                        | 1,499'-1,584'                        |
|                | WHITE<br>MEDINA<br>(WHIRLPOOL) |                            | 1,559'-1,595'   | 1,474'-1,496'                        | 1,604'-1,625'                        |
| QUEENSTON      |                                |                            |   | 1,496' —                             | 1,625' —                             |
| OSWEGO         |                                |                            |   |                                      |                                      |
| TRENTON        |                                |                            |   |                                      |                                      |
| POTSDAM        |                                |                            |   |                                      |                                      |
| PRECAMBRIAN    |                                |                            |   |                                      |                                      |
| TOTAL DEPTH    |                                | N. R.                      | 1,624'  | 1,502'                               | 1,630'                               |
| DEEPEST FM.    |                                | N. R.                      | Queenston   | Queenston                            | Queenston                            |
| REMARKS        |                                |                            | Sulphur, gas<br>and water at<br>1,244'. Show<br>of gas at<br>1,590'.<br>D. & A. | Black water<br>at 1,125'.<br>D. & A. | Black water<br>at 1,250'.<br>D. & A. |



| ERIE   | ERIE   | ERIE  | ERIE                        | ERIE  |
|--|--|---|-----------------------------|---|
| Silver Creek   | Silver Creek   | Silver Creek  | Silver Creek                | Silver Creek  |
| 3  | 4  | 5   | 6                           | 7   |
| L. Campbell  | R. Davis   | A. Carpenter<br>No. 4                                       | G. Britting<br>No. 1        | J. Lavery   |
|  |  |   | Iroquois<br>Gas Corp.       |   |
| Evans  | Evans  | Evans   | Evans                       | Evans   |
| 15,200' South<br>of 42° 40'  | 14,200' South<br>of 42° 40'  | 11,000' North<br>of 42° 35'                                 | 19,500' South<br>of 42° 40' | 12,000' North<br>of 42° 35'   |
| 2,850' West<br>of 79° 05'  | 7,700' East<br>of 79° 05'  | 6,000' West<br>of 79° 05'                                   | 3,700' West<br>of 79° 05'   | 8,800' East<br>of 79° 05'   |
| 12/ /13  | 12/18/15   | 1917  | 3/23/16                     | 9/11/15   |
| 585' Topo.   | 645' Topo.   | 595' Topo.  | 630' Topo.                  | 665' Topo.  |
|  |  |   |                             |   |
| 620'-820'  | 635'-835'  | 600'-800'   | 650'-845'                   | 700'-905'   |
|  |  |   |                             |   |
|  |  |   |                             |   |
| 1,120' —   | 1,195'-1,450'  |   | 1,220'-1,531'               | 1,285'-1,547'   |
| 1,482'-1,559'  | 1,547'-1,637'  | 1,523'-1,611'   | 1,557'-1,652'               | 1,622' —  |
| 1,570'-1,577'  | 1,655'-1,680'  | 1,628'-1,664'   | 1,665'-1,697'               | 1,728'-1,756'   |
| 1,577' —   | 1,680' —   | 1,664' —  | 1,697' —                    | 1,756' —  |
|  |  |   |                             |   |
|  |  |   |                             |   |
|  |  |   |                             |   |
|  |  |   |                             |   |
| 1,633'   | 1,733'   | 1,708' +  | 1,704'                      | 1,806'  |
| Queenston  | Queenston  | Queenston   | Queenston                   | Queenston   |
| Clinton at<br>1,441'-1,482'.<br>Black water<br>at 1,242'.<br>D. & A. | Clinton at<br>1,522'-1,547'.<br>Black water<br>at 1,320'.<br>I. O. F. 168 Mcf. | Gas at 1,638'.<br>I. O. F. 336<br>Mcf. I. R. P.<br>605 Lbs. | D. & A.                     | Clinton at<br>1,597'-1,622'.<br>Black water<br>at 1,425'.<br>Gas at 1,600'<br>& 1,736'.<br>I. O. F. 157<br>Mcf. |

| COUNTY         |                          | ERIE                    | ERIE                                  | ERIE   | ERIE                    |
|----------------|--------------------------|-------------------------|---------------------------------------|--|-------------------------|
| QUADRANGLE     |                          | Silver Creek            | Silver Creek                          | Silver Creek   | Silver Creek            |
| MAP NUMBER     |                          | 8                       | 9                                     | 10   | 11                      |
| NAME OF WELL   |                          | N. Waterman             | W. Shaw                               | N. Stoner  | W. Elemke No. 1         |
| OPERATOR       |                          |                         |                                       | Iroquois Gas Corp.   | Iroquois Gas Corp.      |
| TOWNSHIP       |                          | Brant                   | Brant                                 | Brant  | Brant                   |
| LATITUDE       |                          | 6,800' North of 42° 30' | 8,600' North of 42° 35'               | 9,300' North of 42° 35'  | 9,500' North of 42° 35' |
| LONGITUDE      |                          | 9,700' West of 79° 05'  | 4,000' West of 79° 05'                | 5,500' East of 79° 05'   | 10,100' East of 79° 05' |
| DATE COMPLETED |                          |                         | 1917                                  | 8/26/14  | 1/3/16                  |
| ELEVATION      |                          | 605'                    | 620' Topo.                            | 646'   | 685' Topo.              |
| TULLY          |                          |                         |                                       |  |                         |
| ONONDAGA       |                          |                         | 666'-876'                             | 685'-885'  | 725'-920'               |
| ORISKANY       |                          |                         |                                       |  |                         |
| SALT ZONE      |                          |                         |                                       |  |                         |
| LOCKPORT       |                          | 1,320'-1,460'           | 1,210'-1,485'                         | 1,295'-1,554'  | 1,340'-1,630'           |
| MEDINAN        | RED MEDINA (GRIMSBY)     | 1,554' —                | 1,570'-1,670'                         | 1,584'-1,681'  | 1,660'-1,737'           |
|                | WHITE MEDINA (WHIRLPOOL) |                         | 1,682'-1,712'                         | 1,690'-1,721'  | 1,762'-1,786'           |
| QUEENSTON      |                          |                         | 1,712' —                              | 1,721' —   | 1,786' —                |
| OSWEGO         |                          |                         |                                       |  |                         |
| TRENTON        |                          |                         |                                       |  |                         |
| POTSDAM        |                          |                         |                                       |  |                         |
| PRECAMBRIAN    |                          |                         |                                       |  |                         |
| TOTAL DEPTH    |                          | 1,701'                  | 1,745'                                | 1,793'   | 1,860'                  |
| DEEPEST FM.    |                          | Queenston               | Queenston                             | Queenston  | Queenston               |
| REMARKS        |                          |                         | I. O. F. 59 Mcf.<br>I. R. P. 735 Lbs. | Smoke at 1,380'.<br>Black water at 1,400'. Gas at 1,699'.<br>I. O. F. 225 Mcf. I. R. P. 630 Lbs. | I. O. F. 42 Mcf.        |

| ERIE   | ERIE   | ERIE   | ERIE   | ERIE   |
|--|--|--|--|--|
| Silver Creek   | Silver Creek   | Silver Creek   | Silver Creek   | Silver Creek   |
| 12   | 13   | 14   | 15   | 16   |
| D. Graney  | P. Villa   | G. Hammond<br>No. 1  | C. Schrader<br>No. 2   | H. Avey<br>No. 1   |
|  |  | Iroquois<br>Gas Corp.  |  | Iroquois<br>Gas Corp.  |
| Brant  | Brant  | Brant  | Brant  | Brant  |
| 6,400' North<br>of 42° 35'   | 4,300' North<br>of 42° 35'   | 5,100' North<br>of 42° 35'   | 500' North<br>of 42° 35'   | 600' North<br>of 42° 35'                                       |
| 4,100' West<br>of 79° 05'  | 850' East<br>of 79° 05'  | 6,500' East<br>of 79° 05'  | 1,450' West<br>of 79° 05'  | 1,100' East<br>of 79° 05'                                      |
| 5/3/13   | 3/24/15  | 4/30/15  | 7/2/14   | 3/31/14  |
| 650' Topo.   | 630' Topo.   | 662' Alt.  | 665' Topo.   | 627'   |
|  |  |  |  |  |
| 670'-870'  | 675'-876'  | 730'-930'  | 740'-940'  | 715'-915'  |
|  |  |  |  |  |
|  |  |  |  |  |
| 1,265'-1,465'  | 1,340'-1,530'  | 1,330'-1,617'  | 1,453'-1,578'  | 1,440'-1,610'  |
| 1,600'-1,670'  | 1,630'-1,698'  | 1,642'-1,740'  | 1,664'-1,738'  | 1,637'-1,733'  |
|  |  |  |  |  |
| 1,720'-1,735'  | 1,726'-1,744'  | 1,757'-1,777'  | 1,774'-1,797'  | 1,748'—  |
| 1,735'—  | 1,744'—  | 1,777'—  | 1,797'—  |  |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
| 1,735'   | 1,756'   | 1,787'   | 1,847'   | 1,763'   |
| Queenston  | Queenston  | Queenston  | Queenston  | Medina   |
| Clinton at<br>1,570'-1,600'.<br>Black water<br>at 1,362'.<br>D. & A. | Clinton at<br>1,610'-1,630'.<br>Black water<br>at 1,410'.<br>Show gas at<br>1,741'. I. O. F.<br>(10 Mcf.). | Smoke at 1,400'.<br>Show gas at<br>1,740'. I. O. F.<br>10 Mcf.<br>P. & A.<br>(5/ /21). | Clinton at<br>1,638'-1,664'.<br>Black water<br>at 1,443'.<br>Gas at 1,782'.<br>I. O. F. 786<br>Mcf.<br>P. & A. | Gas at 1,757'.<br>I. O. F. 10,170<br>Mcf. I. R. P.<br>740 Lbs. |

| COUNTY         |                          | ERIE  | ERIE                                   | ERIE   | ERIE                    |
|----------------|--------------------------|---|--|--|-------------------------|
| QUADRANGLE     |                          | Silver Creek  | Silver Creek                           | Silver Creek   | Silver Creek            |
| MAP NUMBER     |                          | 17  | 18                                     | 19   | 20                      |
| NAME OF WELL   |                          | M. Belko  | M. Walters No. 1                       | W. Grennell No. 1  | D. Grennell No. 1       |
| OPERATOR       |                          |   | Iroquois Gas Corp.                     | Iroquois Gas Corp.   | Iroquois Gas Corp.      |
| TOWNSHIP       |                          | Brant   | Brant                                  | Brant  | Brant                   |
| LATITUDE       |                          | 450' North of 42° 35'   | 200' South of 42° 35'                  | 3,900' South of 42° 35'  | 4,700' South of 42° 35' |
| LONGITUDE      |                          | 4,400' East of 79° 05'  | 8,500' East of 79° 05'                 | 5,700' East of 79° 05'   | 7,700' East of 79° 05'  |
| DATE COMPLETED |                          | 1/28/14   | 1/25/13                                | 4/10/12  | 10/30/12                |
| ELEVATION      |                          | 670' Topo.  | 665'                                   | 668'   | 640'                    |
| TULLY          |                          |   |  |  |                         |
| ONONDAGA       |                          | 750'-950'   | 760'-960'                              | 792'-991'  | 820'-1,020'             |
| ORISKANY       |                          |   |  |  |                         |
| SALT ZONE      |                          |   |  |  |                         |
| LOCKPORT       |                          | 1,467'—   | 1,345'-1,667'                          |  | 1,380'-1,675'           |
| MEDINAN        | RED MEDINA (GRIMSBY)     | 1,672'-1,765'   | 1,687'-1,782'                          | 1,711'-1,806'  | 1,697'-1,789'           |
|                | WHITE MEDINA (WHIRLPOOL) | 1,772'-1,785'   | 1,793'-1,813'                          | 1,834'-1,842'  | 1,809'-1,830'           |
| QUEENSTON      |                          | 1,785'—   | 1,813'—                                | 1,847'—  | 1,830'—                 |
| OSWEGO         |                          |   |  |  |                         |
| TRENTON        |                          |   |  |  |                         |
| POTSDAM        |                          |   |  |  |                         |
| PRECAMBRIAN    |                          |   |  |  |                         |
| TOTAL DEPTH    |                          | 1,842'  | 1,829'                                 | 1,868'   | 1,840'                  |
| DEEPEST FM.    |                          | Queenston   | Queenston                              | Queenston  | Queenston               |
| REMARKS        |                          | Black water at 1,445'. Gas at 1,781'. I. O. F. 7,500 Mcf. P. & A. (2/22/24) | Show gas at 1,803'. (10 Mcf.). D. & A. | Show gas at 1,704' & 1,842'. I. O. F. 2,167 Mcf. I. R. P. 1,000 Lbs. (21 min.) | D. & A.                 |



| ERIE  | ERIE                       | ERIE   | ERIE                       | ERIE                        |
|---|----------------------------|--|----------------------------|-----------------------------|
| Silver Creek  | Silver Creek               | Silver Creek   | Silver Creek               | Silver Creek                |
| 21  | 22                         | 23   | 24                         | 25                          |
| M. Krull<br>No. 1   | Pierce                     | B. Pierce  | H. George                  | Patterson                   |
| Iroquois<br>Gas Corp.                                       |                            | Reservation<br>Gas Co.   |                            |                             |
| Brant   | Brant                      | Brant  | Brant                      | Brant                       |
| 3,400' South<br>of 42° 35'                                  | 3,300' South<br>of 42° 35' | 3,500' South<br>of 42° 35'   | 6,600' South<br>of 42° 35' | 10,400' South<br>of 42° 35' |
| 6,800' West<br>of 79° 00'                                   | 10,200' West<br>of 79° 05' | 3,600' West<br>of 79° 05'  | 2,200' West<br>of 79° 05'  | 1,500' East<br>of 79° 05'   |
| 6/5/14  |                            | 1924   |                            |                             |
| 762'  | 585'                       | 740'   | 620'                       | 620'                        |
|   |                            |  |                            |                             |
| 932'-1,126'   | 700' —                     | 850'-1,070'  | 762' —                     | 790' —                      |
|   |                            |  |                            |                             |
|   |                            |  |                            |                             |
| 1,560'-1,843'   |                            | 1,520'-1,720'  |                            |                             |
| 1,873'-1,959'   | 1,635'-1,725'              | 1,805'-1,885'  | 1,702' —                   | 1,740'-1,810'               |
| 1,969'-1,991'   | 1,743'-1,760'              | 1,900'-1,920'  | 1,804'-1,824'              | 1,830'-1,851'               |
| 1,991' —  | 1,760' —                   | 1,920'-2,900'  | 1,824' —                   |                             |
|   |                            |  |                            |                             |
|   |                            | 3,750'-4,533'  |                            |                             |
|   |                            | 4,533' —   |                            |                             |
|   |                            |  |                            |                             |
| 1,995'  | N. R.                      | 4,560'   | N. R.                      | N. R.                       |
| Queenston   | N. R.                      | Potsdam  | N. R.                      | N. R.                       |
| Smoke at<br>1,640'. Black<br>water at<br>1,660'.<br>D. & A. |                            | Clinton at<br>1,785'-1,805'.<br>Black water<br>at 1,580'.<br>Salt water at<br>4,560'. Gas<br>in white<br>Medina 172<br>Mcf.<br>**p |                            |                             |

| COUNTY         |                                | ERIE                        | CHAUTAUQUA  | CHAUTAUQUA  | CHAUTAUQUA  |
|----------------|--------------------------------|-----------------------------|---|---|---|
| QUADRANGLE     |                                | Silver Creek                | Silver Creek  | Silver Creek  | Silver Creek  |
| MAP NUMBER     |                                | 26                          | 27  | 28  | 29  |
| NAME OF WELL   |                                | Seneca                      | W. Kruse  | F. McCarthy   | C. Bailey   |
| OPERATOR       |                                |                             |   |   |   |
| TOWNSHIP       |                                | Collins                     | Sheridan  | Sheridan  | Sheridan  |
| LATITUDE       |                                | 13,500' South<br>of 42° 35' | 10,000' North<br>of 42° 30'   | 13,900' North<br>of 42° 30'   | 15,300' South<br>of 42° 35'   |
| LONGITUDE      |                                | 11,100' West<br>of 79° 00'  | 1,900' East<br>of 79° 15'   | 5,200' East<br>of 79° 15'   | 11,500' West<br>of 79° 10'  |
| DATE COMPLETED |                                |                             | 3/27/16   | 9/18/08   | 11/1/23   |
| ELEVATION      |                                | 620'                        | 640'  | 575'  | 590' Topo.  |
| TULLY          |                                |                             |   |   |   |
| ONONDAGA       |                                | 890' —                      | 740'—980'   | 650'—915'   | 700'—955'   |
| ORISKANY       |                                |                             |   |   |   |
| SALT ZONE      |                                |                             |   |   |   |
| LOCKPORT       |                                |                             | 1,435'—1,630'   | 1,551'—1,683'   | 1,390'—1,620'   |
| MEDINAN        | RED<br>MEDINA<br>(GRIMSBY)     | 1,810'—1,904'               | 1,708'—1,808'   | 1,683'—1,763'   | 1,728'—1,808'   |
|                | WHITE<br>MEDINA<br>(WHIRLPOOL) | 1,921'—1,929'               | 1,824'—1,839'   | 1,790'—1,810'   | 1,840'—1,859'   |
| QUEENSTON      |                                |                             | 1,839' —  | 1,810' —  | 1,859' —  |
| OSWEGO         |                                |                             |   |   |   |
| TRENTON        |                                |                             |   |   |   |
| POTSDAM        |                                |                             |   |   |   |
| PRECAMBRIAN    |                                |                             |   |   |   |
| TOTAL DEPTH    |                                | N. R.                       | 1,890'  | 1,860'  | 1,861'  |
| DEEPEST FM.    |                                | N. R.                       | Queenston   | Queenston   | Queenston   |
| REMARKS        |                                |                             | Clinton at<br>1,678'—1,708'.<br>Black water<br>at 1,515'.<br>Show gas at<br>1,681'. Gas at<br>1,748'. I. O. F.<br>100 Mcf. I. R. P.<br>760 Lbs. | Black water<br>at 1,470'. Gas<br>at 1,798'.<br>I. O. F. 492<br>Mcf. | Black water<br>at 1,505'. Gas<br>at 1,780'—<br>1,786' & 1,844'—<br>1,855'. I. O. F.<br>1,050 Mcf.<br>I. R. P. 548<br>Lbs. |

| CHAUTAUQUA               | CHAUTAUQUA   | CHAUTAUQUA  | CHAUTAUQUA  | CHAUTAUQUA  |
|--------------------------|--|---|---|---|
| Silver Creek             | Silver Creek   | Silver Creek  | Silver Creek  | Silver Creek  |
| 30                       | 31   | 32  | 33  | 34  |
| A. Payne et al.          | W. Heath No. 2   | O. Swift  | V. & R. Felitto   | Pagano No. 1  |
|                          |  |   |   |   |
| Sheridan                 | Sheridan   | Sheridan  | Sheridan  | Sheridan  |
| 17,000' North of 42° 30' | 10,500' North of 42° 30'                                   | 10,600' North of 42° 30'  | 10,300' North of 42° 30'  | 8,000' North of 42° 30'                                 |
| 17,750' East of 79° 15'  | 7,200' East of 79° 15'                                     | 12,700' East of 79° 15'   | 17,400' East of 79° 15'   | 4,000' East of 79° 15'                                  |
| 8/20/04                  | 1/24/16  | 6/15/09   | 7/21/40   |   |
| 625' Topo.               | 635' Topo.   | 705' Topo.  | 720'  | 677'  |
|                          |  |   |   |   |
|                          | 690'-940'  | 774'-1,022'   | 865'-1,101'   | 825'-1,050'   |
|                          |  |   |   |   |
|                          |  |   |   |   |
|                          | 1,380'-1,610'  |   | 1,555'-1,822'   | 1,460'-1,710'   |
|                          | 1,695'-1,775'  | 1,818'-1,898'   | 1,882'-1,962'   | 1,775'-1,850'   |
|                          | 1,815'-1,830'  | 1,938'-1,948'   | 1,999'-2,017'   |   |
|                          | 1,830'—  | 1,948'—   | 2,017'—   |   |
|                          |  |   |   |   |
|                          |  |   |   |   |
|                          |  |   |   |   |
|                          |  |   |   |   |
| N. R.                    | 1,883'   | 1,953'  | 2,056'  | 1,973'  |
| N. R.                    | Queenston  | Queenston   | Queenston   | Queenston   |
|                          | Clinton at 1,670'-1,695'. Gas at 1,710'. I. O. F. 176 Mcf. | Clinton at 1,788'-1,818'. Black water at 1,595'. Show gas at 1,868'. 66 Mcf. P. & A. (8/23/17). | Clinton at 1,852'-1,882'. Show gas at 1,870'. I. O. F. 440 Mcf. I. R. P. 600 Lbs. | Black water at 1,568'. Gas at 1,903'. I. O. F. 120 Mcf. |

| COUNTY         |                                | CHAUTAUQUA   | CHAUTAUQUA   | CHAUTAUQUA  | CHAUTAUQUA  |
|----------------|--------------------------------|--|--|---|---|
| QUADRANGLE     |                                | Silver Creek   | Silver Creek   | Silver Creek  | Silver Creek  |
| MAP NUMBER     |                                | 35   | 36   | 37  | 38  |
| NAME OF WELL   |                                | F. Morse<br>No. 1  | P. Minehan   | E. Knox   | S. Wyckoff<br>No. 1   |
| OPERATOR       |                                |  |  |   |   |
| TOWNSHIP       |                                | Sheridan   | Sheridan   | Sheridan  | Sheridan  |
| LATITUDE       |                                | 7,600' North<br>of 42° 30'   | 8,600' North<br>of 42° 30'   | 5,700' North<br>of 42° 30'  | 5,400' North<br>of 42° 30'  |
| LONGITUDE      |                                | 9,000' East<br>of 79° 15'  | 14,600' East<br>of 79° 15'   | 4,600' East<br>of 79° 15'   | 9,500' East<br>of 79° 15'   |
| DATE COMPLETED |                                | 1/21/14  | 5/6/16   | 4/20/15   | 6/26/17   |
| ELEVATION      |                                | 705' Topo.   | 725' Topo.   | 675' Topo.  | 710' Topo.  |
| TULLY          |                                |  |  |   |   |
| ONONDAGA       |                                | 840'-1,066'  | 876'-1,126'  | 840'-1,066'   | 865'-1,085'   |
| ORISKANY       |                                |  |  |   |   |
| SALT ZONE      |                                |  |  |   |   |
| LOCKPORT       |                                | 1,505'-1,724'  | 1,585'-1,770'  | 1,524'-1,715'   | 1,550'-1,750'   |
| MEDINAN        | RED<br>MEDINA<br>(GRIMSBY)     | 1,820'-1,922'  | 1,905'-1,985'  | 1,800'—   | 1,828'-1,933'   |
|                | WHITE<br>MEDINA<br>(WHIRLPOOL) | 1,937'-1,951'  | 2,023'-2,040'  | 1,919'-1,934'   | 1,943'-1,960'   |
| QUEENSTON      |                                | 1,951'—  | 2,040'—  | 1,934'—   | 1,960'—   |
| OSWEGO         |                                |  |  |   |   |
| TRENTON        |                                |  |  |   |   |
| POTSDAM        |                                |  |  |   |   |
| PRECAMBRIAN    |                                |  |  |   |   |
| TOTAL DEPTH    |                                | 1,966'   | 2,085'   | 1,989'  | 1,965'  |
| DEEPEST FM.    |                                | Queenston  | Queenston  | Queenston   | Queenston   |
| REMARKS        |                                | Clinton at<br>1,790'-1,820'.<br>Black water<br>at 1,630'.<br>D. & A. | Clinton at<br>1,885'-1,905'.<br>Gas at 1,945' &<br>2,040'. I. O. F.<br>54 Mcf. I. R. P.<br>680 Lbs.<br>P. & A. | Clinton at<br>1,774'-1,800'.<br>Black water<br>at 1,595'.<br>Gas at 1,928'.<br>I. O. F. 1,000<br>Mcf. | Clinton at<br>1,800'-1,828'.<br>Gas at 1,822' &<br>1,950'. I. O. F.<br>1,800 Mcf. |



| CHAUTAUQUA  | CHAUTAUQUA  | CHAUTAUQUA  | CHAUTAUQUA  | CHAUTAUQUA  |
|---|---|---|---|---|
| Silver Creek  | Silver Creek  | Silver Creek  | Silver Creek  | Silver Creek  |
| 39  | 40  | 41  | 42  | 43  |
| G. N. Smith   | F. Schofner   | G. Aldrich  | G. Aldrich  | W. Stebbins   |
|   |   |   |   |   |
| Sheridan  | Sheridan  | Sheridan  | Sheridan  | Sheridan  |
| 2,700' North<br>of 42° 30'  | 2,800' North<br>of 42° 30'  | 4,000' North<br>of 42° 30'  | 550' North<br>of 42° 30'  | 1,200' North<br>of 42° 30'  |
| 1,700' East<br>of 79° 15'   | 9,300' East<br>of 79° 15'   | 14,250' East<br>of 79° 15'  | 8,500' East<br>of 79° 15'   | 12,900' East<br>of 79° 15'  |
| 1915  | 1915  | 4/18/09   | 10/13/14  | 2/20/15   |
| 675'  | 705' Topo.  | 745' Topo.  | 725' Topo.  | 745' Topo.  |
|   |   |   |   |   |
| 870'–1,070'   | 903'–1,118'   | 904'–1,133'   | 965'–1,168'   | 962'–1,182'   |
|   |   |   |   |   |
|   |   |   |   |   |
| 1,520'–1,720'   |   |   | 1,635'–1,850'   | 1,640'–1,840'   |
| 1,821' –  | 1,868'–1,948'   | 1,877'–1,955'   | 1,930'–2,020'   | 1,925' –  |
| 1,941'–1,953'   | 1,986'–2,004'   | 1,988'–2,005'   | 2,040'–2,060'   | 2,038'–2,054'   |
|   | 2,004' –  | 2,005' –  | 2,060' –  | 2,054' –  |
|   |   |   |   |   |
|   |   |   |   |   |
|   |   |   |   |   |
|   |   |   |   |   |
| 2,007'  | 2,054'  | 2,064'  | 2,111'  | 2,107'  |
| Queenston   | Queenston   | Queenston   | Queenston   | Queenston   |
| Clinton at<br>1,791'–1,821'.<br>Black water<br>at 1,600'.<br>Gas at 1,796'<br>& 1,866'.<br>I. O. F. 75<br>Mcf. I. R. P.<br>900 Lbs.<br>(24 hrs.). | Clinton at<br>1,838'–1,868'.<br>Black water<br>at 1,632'.<br>Gas at 1,858',<br>1,924' & 1,991'.<br>I. O. F. 50<br>Mcf. I. R. P.<br>800 Lbs. | Clinton at<br>1,862'–1,877'.<br>Black water<br>at 1,640'.<br>Gas at 1,990'.<br>I. O. F. 375<br>Mcf. | Clinton at<br>1,900'–1,930'.<br>Black water<br>at 1,750'.<br>Gas at 2,048'.<br>I. O. F. 1,533<br>Mcf. | Clinton at<br>1,904'–1,925'.<br>Black water<br>at 1,718'.<br>Gas at 1,965'<br>& 2,046'.<br>I. O. F. 558<br>Mcf. |

| COUNTY         |                                | CHAUTAUQUA   | CHAUTAUQUA  | CHAUTAUQUA  | CHAUTAUQUA                              |
|----------------|--------------------------------|--|---|---|---|
| QUADRANGLE     |                                | Silver Creek   | Silver Creek  | Silver Creek  | Silver Creek                            |
| MAP NUMBER     |                                | 44   | 45  | 46  | 47                                      |
| NAME OF WELL   |                                | A. Stone<br>No. 1  | Frost et al.  | S. Williams<br>No. 1  | W. Dickinson<br>No. 1                   |
| OPERATOR       |                                |  |   | Republic  |   |
| TOWNSHIP       |                                | Sheridan   | Sheridan  | Sheridan  | Hanover                                 |
| LATITUDE       |                                | 2,400' North<br>of 42° 30'   | 460' North<br>of 42° 30'  | 1,000' North<br>of 42° 30'  | 9,800' South<br>of 42° 35'              |
| LONGITUDE      |                                | 4,600' West<br>of 79° 10'  | 15,900' East<br>of 79° 15'  | 19,200' East<br>of 79° 15'  | 6,400' East<br>of 79° 10'               |
| DATE COMPLETED |                                | 7/25/44  | 1/21/11   | 9/27/44   | 9/29/10                                 |
| ELEVATION      |                                | 780'   | 785' Topo.  | 785'  | 585' Topo.                              |
| TULLY          |                                |  |   |   |   |
| ONONDAGA       |                                | 1,007'–1,234'  | 1,005'–1,223'   | 1,004'–1,238'   | 720'–930'                               |
| ORISKANY       |                                | N. P.  |   | N. P.   |   |
| SALT ZONE      |                                |  |   |   |   |
| LOCKPORT       |                                | 1,680'–1,890'  |   | 1,702'–1,901'   | 1,445'–1,527'                           |
| MEDINA         | RED<br>MEDINA<br>(GRIMSBY)     | 1,981'–2,052'  | 1,990'–2,060'   | 1,983'–2,079'   | 1,669'–1,739'                           |
|                | WHITE<br>MEDINA<br>(WHIRLPOOL) | 2,101'–2,118'  | 2,106'–2,137'   | 2,109'–2,127'   | 1,780'–1,802'                           |
| QUEENSTON      |                                | 2,118' –   | 2,137' –  | 2,127' –  | 1,802' –                                |
| OSWEGO         |                                |  |   |   |   |
| TRENTON        |                                |  |   |   |   |
| POTSDAM        |                                |  |   |   |   |
| PRECAMBRIAN    |                                |  |   |   |   |
| TOTAL DEPTH    |                                | 2,140'   | 2,340'  | 2,188'  | 1,805'                                  |
| DEEPEST FM.    |                                | Queenston  | Queenston   | Queenston   | Queenston                               |
| REMARKS        |                                | Clinton at<br>1,951'–1,981'.<br>Smoke at<br>1,762'. Black<br>water at<br>1,765'. Gas at<br>1,836', 2,021'<br>& 2,102'–2,108'.<br>I. O. F. 1,200<br>Mcf. I. R. P.<br>280 Lbs. | Clinton at<br>1,960'–1,990'.<br>Deepened in<br>1914. I. O. F.<br>400 Mcf. | Clinton at<br>1,957'–1,983'.<br>Smoke and<br>black water<br>at 1,768' &<br>1,847'. Gas at<br>2,113'–2,118'.<br>I. O. F. 525<br>Mcf. Show oil<br>1,230'. | Clinton at<br>1,639'–1,669'.<br>P. & A. |

| CHAUTAUQUA  | CHAUTAUQUA                 | CHAUTAUQUA                 | CHAUTAUQUA                  | CHAUTAUQUA  |
|---|----------------------------|----------------------------|-----------------------------|---|
| Silver Creek  | Silver Creek               | Silver Creek               | Silver Creek                | Silver Creek  |
| 48  | 49                         | 50                         | 51                          | 52  |
| M. Ebling<br>No. 1  | M. Sackett<br>No. 1        | E. Newton                  | Wade et al.<br>No. 1        | F. Swift  |
| Reservation<br>Gas Co.  | Reservation<br>Gas Co.     |                            |                             |   |
| Hanover   | Hanover                    | Hanover                    | Hanover                     | Hanover   |
| 8,800' South<br>of 42° 35'  | 8,150' South<br>of 42° 35' | 9,850' South<br>of 42° 35' | 11,500' South<br>of 42° 35' | 16,400' North<br>of 42° 30'   |
| 11,250' West<br>of 79° 05'  | 5,800' West<br>of 79° 05'  | 9,250' West<br>of 79° 05'  | 5,700' West<br>of 79° 05'   | 1,300' West<br>of 79° 10'   |
| 7/17/33   |                            |                            |                             | 2/5/04  |
| 600' Topo.  | 602' Topo.                 | 630' Topo.                 | 615' Topo.                  | 590' Topo.  |
|   |                            |                            |                             |   |
| 753'-963'   |                            |                            |                             | 720'-960'   |
|   |                            |                            |                             |   |
|   |                            |                            |                             |   |
| 1,390'-1,596'   |                            |                            |                             | 1,350'-1,585'   |
| 1,695'-1,782'   |                            |                            |                             | 1,684'-1,750'   |
| 1,801'-1,818'   |                            |                            |                             | 1,805'-1,829'   |
| 1,818' —  |                            |                            |                             | 1,829' —  |
|   |                            |                            |                             |   |
|   |                            |                            |                             |   |
|   |                            |                            |                             |   |
|   |                            |                            |                             |   |
| 1,918'  | N. R.                      | N. R.                      | N. R.                       | 1,859'  |
| Queenston   | N. R.                      | N. R.                      | N. R.                       | Queenston   |
| Clinton at<br>1,660'-1,695'.<br>I. O. F. 526<br>Mcf. a/s.<br>I. R. P. 710<br>Lbs. | D. & A.                    | D. & A.                    | D. & A.                     | Clinton at<br>1,640'-1,684'.<br>Black water<br>at 1,485'. Gas<br>at 1,819'.<br>I. O. F. 500<br>Mcf. |

| COUNTY         |                                | CHAUTAUQUA  | CHAUTAUQUA                              | CHAUTAUQUA  | CHAUTAUQUA                  |
|----------------|--------------------------------|---|---|---|-----------------------------|
| QUADRANGLE     |                                | Silver Creek  | Silver Creek                            | Silver Creek  | Silver Creek                |
| MAP NUMBER     |                                | 53  | 54                                      | 55  | 56                          |
| NAME OF WELL   |                                | R. O. Bradley   | M. Newton                               | S. Erdle  | C. Horton<br>No. 1          |
| OPERATOR       |                                | Dickinson   | Reservation<br>Gas Co.                  |   |                             |
| TOWNSHIP       |                                | Hanover   | Hanover                                 | Hanover   | Hanover                     |
| LATITUDE       |                                | 13,700' South<br>of 42° 35'   | 14,500' South<br>of 42° 35'             | 13,500' North<br>of 42° 30'   | 13,200' North<br>of 42° 30' |
| LONGITUDE      |                                | 7,100' East<br>of 79° 10'   | 9,600' West<br>of 79° 05'               | 2,300' West<br>of 79° 10'   | 3,200' East<br>of 79° 10'   |
| DATE COMPLETED |                                | 7/22/33   | 1/27/32                                 | 1/19/13   |                             |
| ELEVATION      |                                | 640' Topo.  | 720' Topo.                              | 660' Topo.  | 660' Topo.                  |
| TULLY          |                                |   |   |   |                             |
| ONONDAGA       |                                | 820'-1,034'   | 905'-1,107'                             | 829'-1,054'   |                             |
| ORISKANY       |                                |   |   |   |                             |
| SALT ZONE      |                                |   |   |   |                             |
| LOCKPORT       |                                | 1,428'-1,678'   | 1,580'-1,755'                           | 1,574'-1,667'   |                             |
| MEDINAN        | RED<br>MEDINA<br>(GRIMSBY)     |   | 1,842'-1,937'                           | 1,810'-1,899'   |                             |
|                | WHITE<br>MEDINA<br>(WHIRLPOOL) | 1,877'-1,897'   | 1,955'-1,970'                           | 1,930'-1,944'   |                             |
| QUEENSTON      |                                | 1,897' -  | 1,970' -                                | 1,944' -  |                             |
| OSWEGO         |                                |   |   |   |                             |
| TRENTON        |                                |   |   |   |                             |
| POTSDAM        |                                |   |   |   |                             |
| PRECAMBRIAN    |                                |   |   |   |                             |
| TOTAL DEPTH    |                                | 1,916' +  | 1,989'                                  | 1,994'  | N. R.                       |
| DEEPEST FM.    |                                | Queenston   | Queenston                               | Queenston   | N. R.                       |
| REMARKS        |                                | Black water<br>at 1,546'.<br>Gas at 1,879'-<br>1,891'. I. O. F.<br>1,400 Mcf. | Clinton at<br>1,814'-1,842'.<br>D. & A. | Clinton at<br>1,782'-1,810'.<br>Black water<br>at 1,574'.<br>Gas at 1,936'. | D. & A.                     |



TABLE I (Cont.)

| CHAUTAUQUA  | CHAUTAUQUA   | CHAUTAUQUA   | CHAUTAUQUA  | CHAUTAUQUA  |
|---|--|--|---|---|
| Silver Creek  | Silver Creek   | Silver Creek   | Silver Creek  | Silver Creek  |
| 57  | 58   | 59   | 60  | 61  |
| Ielfield<br>No. 1   | S. B. Smith<br>No. 1   | M. Frost<br>No. 1  | C. Cappeland<br>No. 1   | Cadwell<br>No. 1  |
| Dougherty   | Reservation<br>Gas Co.   | Reservation<br>Gas Co.   | Reservation<br>Gas Co.  | Dougherty   |
| Hanover   | Hanover  | Hanover  | Hanover   | Hanover   |
| 14,000' North<br>of 42° 30'   | 12,600' North<br>of 42° 30'  | 12,200' North<br>of 42° 30'  | 13,250' North<br>of 42° 30'   | 9,700' South<br>of 42° 35'  |
| 6,500' East<br>of 79° 10'   | 10,900' West<br>of 79° 05'   | 7,550' West<br>of 79° 05'  | 5,100' West<br>of 79° 05'   | 9,400' East<br>of 79° 10'   |
|   | 10/20/31   | 5/27/31  | 12/6/30   |   |
| 660' Topo.  | 740' Topo.   | 780' Topo.   | 750' Topo.  | 590'  |
|   |  |  |   |   |
| 845'-1,050'   | 968'-1,148'  | 990'-1,170'  | 960'-1,141'   | 775'-985'   |
|   |  |  |   |   |
|   |  |  |   |   |
| 1,500'-1,700'   | 1,620'-1,817'  | 1,642'-1,835'  | 1,620'-1,800'   | 1,425'-1,600'   |
| 1,794'-1,874'   | 1,913'-2,005'  | 1,920'-2,013'  | 1,901'-1,990'   | 1,707'-1,787'   |
|   | 2,025'-2,037'  | 2,033'-2,048'  | 2,007'-2,029'   | 1,810'-1,832'   |
|   | 2,037' —   | 2,048' —   | 2,029' —  | 1,832' —  |
|   |  |  |   |   |
|   |  |  |   |   |
|   |  |  |   |   |
|   |  |  |   |   |
| 1,925'  | 2,055'   | 2,126'   | 2,129'  | 1,854'  |
| Queenston   | Queenston  | Queenston  | Queenston   | Queenston   |
| Smoke at<br>1,575'. Black<br>water at<br>1,585'. Gas<br>at 1,839'.<br>Producer. | Clinton at<br>1,876'-1,913'.<br>Show gas in<br>Medina (25<br>Mcf.).<br>D. & A. | Clinton at<br>1,890'-1,920'.<br>Gas at 1,962'.<br>(98 Mcf.).<br>I. R. P. 960<br>Lbs. | Clinton at<br>1,870'-1,901'.<br>Gas at 1,956'.<br>(500 Mcf.).<br>I. R. P. 915<br>Lbs. | Black water<br>at 1,488'.<br>Smoke at<br>1,470'. Gas<br>at 1,700'-<br>1,730' & 1,825'.<br>I. O. F. 170<br>Mcf. a/s. |

| COUNTY         |                                | CHAUTAUQUA                  | CHAUTAUQUA                                  | CHAUTAUQUA   | CHAUTAUQUA                  |
|----------------|--------------------------------|-----------------------------|---|--|-----------------------------|
| QUADRANGLE     |                                | Silver Creek                | Silver Creek                                | Silver Creek   | Silver Creek                |
| MAP NUMBER     |                                | 62                          | 63  | 64   | 65                          |
| NAME OF WELL   |                                | C. Wyckoff<br>No. 1         | Frye<br>No. 1                               | G. Smith   | R. Cross<br>No. 1           |
| OPERATOR       |                                |                             | Dougherty                                   |  | Dickinson<br>Dev. Co.       |
| TOWNSHIP       |                                | Hanover                     | Hanover                                     | Hanover  | Hanover                     |
| LATITUDE       |                                | 10,200' North<br>of 42° 30' | 9,500' North<br>of 42° 30'                  | 11,300' North<br>of 42° 30'  | 10,900' North<br>of 42° 30' |
| LONGITUDE      |                                | 2,300' East<br>of 79° 10'   | 5,100' East<br>of 79° 10'                   | 9,000' East<br>of 79° 10'  | 8,400' West<br>of 79° 05'   |
| DATE COMPLETED |                                |                             |   | 6/14/15  | 12/22/33                    |
| ELEVATION      |                                | 725' Topo.                  | 740'  | 765' Topo.   | 790'                        |
| TULLY          |                                |                             |   |  |                             |
| ONONDAGA       |                                |                             | 950'–1,145'                                 | 873'–1,063'  | 995'–1,193'                 |
| ORISKANY       |                                |                             |   |  |                             |
| SALT ZONE      |                                |                             |   |  |                             |
| LOCKPORT       |                                |                             | 1,580'–1,825'                               | 1,520'–1,738'  | 1,618'–1,855'               |
| MEDINAN        | RED<br>MEDINA<br>(GRIMSBY)     |                             | 1,910'–1,990'                               | 1,832'–1,906'  | 1,961'–2,032'               |
|                | WHITE<br>MEDINA<br>(WHIRLPOOL) |                             | 2,028'–2,050'                               | 1,945'–1,965'  | 2,073'–2,088'               |
| QUEENSTON      |                                |                             | 2,050' –                                    | 1,965' –   | 2,088' –                    |
| OSWEGO         |                                |                             |   |  |                             |
| TRENTON        |                                |                             |   |  |                             |
| POTSDAM        |                                |                             |   |  |                             |
| PRECAMBRIAN    |                                |                             |   |  |                             |
| TOTAL DEPTH    |                                | N. R.                       | 2,050'                                      | 2,009'   | 2,114'                      |
| DEEPEST FM.    |                                | N. R.                       | Queenston                                   | Queenston  | Queenston                   |
| REMARKS        |                                | D. & A.                     | Black water<br>at 1,695'.<br>D. & A.<br>**P | Clinton at<br>1,800'–1,832'.<br>Gas at 1,952'.<br>I. O. F. 56<br>Mcf.<br>P. & A.<br>(9/8/17) | I. O. F. 458<br>Mcf.<br>**P |

| CHAUTAUQUA                              | CHAUTAUQUA  | CHAUTAUQUA  | CHAUTAUQUA   | CHAUTAUQUA  |
|---|---|---|--|---|
| Silver Creek                            | Silver Creek  | Silver Creek  | Silver Creek   | Silver Creek  |
| 66                                      | 67  | 68  | 69   | 70  |
| F. Jacobs<br>No. 1                      | T. Hubbard<br>Co.   | F. Gothier<br>No. 1   | C. Stooker   | P. DePasquale<br>No. 1  |
| Reservation<br>Gas Co.                  |   | Dougherty<br>Bros.  |  | Reservation<br>Gas Co.  |
| Hanover                                 | Hanover   | Hanover   | Hanover  | Hanover   |
| 10,500' North<br>of 42° 30'             | 6,800' North<br>of 42° 30'  | 7,300' North<br>of 42° 30'  | 7,800' North<br>of 42° 30'   | 7,600' North<br>of 42° 30'  |
| 2,200' West<br>of 79° 05'               | 1,500' West<br>of 79° 10'   | 3,700' East<br>of 79° 10'   | 10,800' West<br>of 79° 05'   | 7,800' West<br>of 79° 05'   |
| 4/12/32                                 | 2/26/17   | 10/24/16  | 5/18/28  | 3/15/28   |
| 820' Topo.                              | 720' Topo.  | 700' Topo.  | 805' Topo.   | 830' Topo.  |
|   |   |   |  |   |
| 1,070'-1,256'                           | 918'-1,142'   | 925'-1,135'   | 1,030'-1,225'  | 1,075'-1,285'   |
|   |   |   |  |   |
|   |   |   |  |   |
| 1,706'-1,920'                           | 1,591'-1,836'   | 1,600'-1,825'   | 1,680'-1,880'  | 1,725'-1,935'   |
| 1,996'-2,086'                           | 1,946'-2,022'   | 1,912'-2,015'   | 2,017'-2,082'  | 2,021'-2,117'   |
|   |   |   |  |   |
| 2,105'-2,125'                           | 2,067'-2,073'   | 2,032'-2,048'   | 2,127'-2,138'  | 2,136'-2,151'   |
| 2,125' —                                | 2,073' —  | 2,048' —  | 2,138' —   | 2,151' —  |
|   |   |   |  |   |
|   |   |   |  |   |
|   |   |   |  |   |
|   |   |   |  |   |
| 2,145'                                  | 2,093'  | 2,101'  | 2,142'   | 2,251'  |
| Queenston                               | Queenston   | Queenston   | Queenston  | Queenston   |
| Clinton at<br>1,968'-1,996'.<br>P. & A. | Clinton at<br>1,916'-1,946'.<br>Black water<br>at 1,765'.<br>Gas at 1,984'.<br>I. O. F. 35 Mcf.<br>I. R. P. 600<br>Lbs. | Clinton at<br>1,882'-1,912'.<br>Black water<br>at 1,700'. Gas<br>at 1,977' &<br>2,039'. I. O. F.<br>98 Mcf. | Clinton at<br>1,977'-2,017'.<br>Black water<br>at 1,797'.<br>D. & A. | Clinton at<br>1,996'-2,021'.<br>I. O. F. 633<br>Mcf. I. R. P.<br>870 Lbs. |

| COUNTY         |                                | CHAUTAUQUA   | CHAUTAUQUA  | CHAUTAUQUA   | CHAUTAUQUA  |
|----------------|--------------------------------|--|---|--|---|
| QUADRANGLE     |                                | Silver Creek   | Silver Creek  | Silver Creek   | Silver Creek  |
| MAP NUMBER     |                                | 71   | 72  | 73   | 74  |
| NAME OF WELL   |                                | H. Hillker<br>No. 2  | A. Harmon   | W. Doty  | H. Clothier<br>No. 1  |
| OPERATOR       |                                | Reservation<br>Gas Co.                                       |   |  |   |
| TOWNSHIP       |                                | Hanover  | Hanover   | Hanover  | Hanover   |
| LATITUDE       |                                | 7,600' North<br>of 42° 30'                                   | 3,500' North<br>of 42° 30'  | 3,200' North<br>of 42° 30'   | 4,700' North<br>of 42° 30'  |
| LONGITUDE      |                                | 3,500' West<br>of 79° 05'                                    | 2,900' West<br>of 79° 10'   | 300' West<br>of 79° 10'  | 900' East<br>of 79° 10'   |
| DATE COMPLETED |                                | 7/23/27  | 3/3/14  | 9/23/15  | 3/19/06   |
| ELEVATION      |                                | 870' Topo.   | 785' Topo.  | 785' Topo.   | 785' Topo.  |
| TULLY          |                                |  |   |  |   |
| ONONDAGA       |                                | 1,125'—  | 970'—1,200'   | 997'—1,207'  | 950'—1,170'   |
| ORISKANY       |                                | 1,319'—  |   |  |   |
| SALT ZONE      |                                |  |   |  |   |
| LOCKPORT       |                                |  |   | 1,697'—1,927'  |   |
| MEDINAN        | RED<br>MEDINA<br>(GRIMSBY)     |  | 1,988'—2,058'   | 2,017'—2,087'  | 1,975'—2,050'   |
|                | WHITE<br>MEDINA<br>(WHIRLPOOL) |  | 2,100'—2,120'   | 2,127'—2,145'  | 2,085'—2,105'   |
| QUEENSTON      |                                |  | 2,120'—   | 2,145'—  | 2,105'—   |
| OSWEGO         |                                |  |   |  |   |
| TRENTON        |                                |  |   |  |   |
| POTSDAM        |                                |  |   |  |   |
| PRECAMBRIAN    |                                |  |   |  |   |
| TOTAL DEPTH    |                                | 1,333'   | 2,170'  | 2,157'   | 2,155'  |
| DEEPEST FM.    |                                | Oriskany?  | Queenston   | Queenston  | Queenston   |
| REMARKS        |                                | Sand at 1,319'.<br>I. O. F. 638<br>Mcf. I. R. P.<br>585 Lbs. | Clinton at<br>1,958'—1,988'.<br>Black water<br>at 1,770'.<br>Gas at 2,106'.<br>I. O. F. 432<br>Mcf. | Clinton at<br>1,987'—2,017'.<br>Show gas in<br>Clinton and<br>White Medina.<br>(74 Mcf.).<br>D. & A. | Clinton at<br>1,140'—1,975'.<br>Black water<br>at 1,740'. Gas<br>at 2,005'.<br>I. O. F. 271<br>Mcf.<br>P. & A.<br>5/10/24 |



TABLE I (Cont.)

| CHAUTAUQUA                           | CHAUTAUQUA  | CHAUTAUQUA                   | CHAUTAUQUA                   | CHAUTAUQUA                   |
|--------------------------------------|---|------------------------------|------------------------------|------------------------------|
| Silver Creek                         | Silver Creek  | Silver Creek                 | Silver Creek                 | Silver Creek                 |
| 75                                   | 76  | 77                           | 78                           | 79                           |
| P. Fry                               | C. Stooker  | G. Pfluger<br>No. 1          | C. McCoy<br>No. 1            | J. Jackle<br>No. 1           |
|                                      |   | Reservation<br>Gas Co.       | Reservation<br>Gas Co.       | Reservation<br>Gas Co.       |
| Hanover                              | Hanover   | Hanover                      | Hanover                      | Hanover                      |
| 4,700' North<br>of 42° 30'           | 5,700' North<br>of 42° 30'  | 5,500' North<br>of 42° 30'   | 5,400' North<br>of 42° 30'   | 3,300' North<br>of 42° 30'   |
| 6,400' East<br>of 79° 10'            | 10,600' West<br>of 79° 05'  | 6,450' West<br>of 79° 05'    | 150' West<br>of 79° 05'      | 4,300' West<br>of 79° 05'    |
| 5/18/05                              | 9/5/28  | 3/4/29                       | 5/8/28                       | 1/22/28                      |
| 720' Topo.                           | 840'  | 865' Topo.                   | 875' Topo.                   | 915' Topo.                   |
|                                      |   |                              |                              |                              |
| 870'-1,125'                          | 1,101'-1,311'   | 1,150'-1,350'                | 1,198'-1,393'                | 1,250'-1,460'                |
|                                      |   |                              |                              |                              |
|                                      |   |                              |                              |                              |
|                                      | 1,775'-1,960'   | 1,795'-2,010'                | 1,825'-2,030'                | 1,850'-2,100'                |
| 1,900'-1,940'                        | 2,069'-2,155'   | 2,101'-2,194'                | 2,128'-2,221'                | 2,179'-2,281'                |
| 2,060'-2,085'                        | 2,181'-2,201'   | 2,216'-2,226'                | 2,241'-2,256'                | 2,295'-2,309'                |
| 2,085' —                             | 2,201' —  | 2,226' —                     | 2,256' —                     | 2,309' —                     |
|                                      |   |                              |                              |                              |
|                                      |   |                              |                              |                              |
|                                      |   |                              |                              |                              |
|                                      |   |                              |                              |                              |
| 2,090'                               | 2,214'  | 2,253'                       | 2,271'                       | 2,322'                       |
| Queenston                            | Queenston   | Queenston                    | Queenston                    | Queenston                    |
| Black water<br>at 1,640'.<br>D. & A. | Clinton at<br>2,041'-2,069'.<br>Show gas at<br>2,099'.<br>D. & A. | Clinton at<br>2,073'-2,101'. | Clinton at<br>2,100'-2,128'. | Clinton at<br>2,151'-2,179'. |

## NEW YORK

TABLE I (Cont.)

| COUNTY         |                                | CHAUTAUQUA                 | CHAUTAUQUA   | CATTARAUGUS                | CATTARAUGUS                             |
|----------------|--------------------------------|----------------------------|--|----------------------------|---|
| QUADRANGLE     |                                | Silver Creek               | Silver Creek   | Silver Creek               | Silver Creek                            |
| MAP NUMBER     |                                | 80                         | 81   | 82                         | 83                                      |
| NAME OF WELL   |                                | D. Battaglia               | R. Franklin  | E. Shultz<br>No. 1         | W. M. Ward<br>No. 1                     |
| OPERATOR       |                                | Reservation<br>Gas Co.     | S. Shore<br>Nat. Gas Co.   |                            |   |
| TOWNSHIP       |                                | Hanover                    | Hanover  | Perrysburg                 | Perrysburg                              |
| LATITUDE       |                                | 1,750' North<br>of 42° 30' | 1,000' North<br>of 42° 30'   | 7,400' North<br>of 42° 30' | 7,000' North<br>of 42° 30'              |
| LONGITUDE      |                                | 3,150' West<br>of 79° 05'  | 300' West<br>of 79° 05'  | 6,300' East<br>of 79° 05'  | 6,500' West<br>of 79° 00'               |
| DATE COMPLETED |                                |                            | 4/4/18   |                            | 7/14/33                                 |
| ELEVATION      |                                | 935' Topo.                 | 955'   | 845' Topo.                 | 810' Topo.                              |
| TULLY          |                                |                            |  |                            |   |
| ONONDAGA       |                                |                            | 1,296'-1,501'  |                            | 1,190'-1,360'                           |
| ORISKANY       |                                |                            |  |                            |   |
| SALT ZONE      |                                |                            |  |                            |   |
| LOCKPORT       |                                |                            | 1,896'-2,125'  |                            | 1,800'-1,993'                           |
| MEDINAN        | RED<br>MEDINA<br>(GRIMSBY)     |                            | 2,240'-2,316'  |                            | 2,108'-2,208'                           |
|                | WHITE<br>MEDINA<br>(WHIRLPOOL) |                            | 2,354'-2,374'  |                            | 2,220'-2,232'                           |
| QUEENSTON      |                                |                            | 2,374' -   |                            | 2,232' -                                |
| OSWEGO         |                                |                            |  |                            |   |
| TRENTON        |                                |                            |  |                            |   |
| POTSDAM        |                                |                            |  |                            |   |
| PRECAMBRIAN    |                                |                            |  |                            |   |
| TOTAL DEPTH    |                                | N. R.                      | 2,386'   | N. R.                      | 2,256'                                  |
| DEEPEST FM.    |                                | N. R.                      | Queenston  | N. R.                      | Queenston                               |
| REMARKS        |                                |                            | Clinton at<br>2,210'-2,240'.<br>Smoke at<br>2,005'. Gas<br>at 2,300'.<br>I. O. F. 21 Mcf.<br>D. & A. |                            | Clinton at<br>2,073'-2,108'.<br>D. & A. |

| CATTARAUGUS   | CATTARAUGUS                             | CATTARAUGUS                | CATTARAUGUS                | CATTARAUGUS   |
|---|---|----------------------------|----------------------------|---|
| Silver Creek  | Silver Creek                            | Silver Creek               | Silver Creek               | Silver Creek  |
| 84  | 85                                      | 86                         | 87                         | 88  |
| R. Van Vlack<br>No. 1   | E. Parker                               | W. Merrill<br>No. 1        | D. Jaques<br>No. 1         | R. Ward<br>No. 1  |
|   |   |                            |                            | Reservation<br>Gas Co.  |
| Perrysburg  | Perrysburg                              | Perrysburg                 | Perrysburg                 | Perrysburg  |
| 7,700' North<br>of 42° 30'  | 7,800' North<br>of 42° 30'              | 4,500' North<br>of 42° 30' | 3,600' North<br>of 42° 30' | 4,200' North<br>of 42° 30'  |
| 5,000' West<br>of 79° 00'   | 200' West<br>of 79° 00'                 | 11,100' West<br>of 79° 00' | 4,600' West<br>of 79° 00'  | 1,300' West<br>of 79° 00'   |
| 5/11/32   | 1/2/32                                  |                            |                            | 3/5/32  |
| 790' Topo.  | 780' Topo.                              | 865' Topo.                 | 755' Topo.                 | 805' Topo.  |
|   |   |                            |                            |   |
| 1,160'-1,340'   | 1,130'-1,305'                           |                            |                            |   |
|   |   |                            |                            |   |
|   |   |                            |                            |   |
| 1,795'-2,004'   | 1,774'-1,970'                           |                            |                            | 1,855'-2,048'   |
| 2,095'-2,184'   | 2,062'-2,150'                           |                            |                            | 2,139'-2,237'   |
| 2,195'-2,217'   | 2,162'-2,187'                           |                            |                            | 2,252'-2,274'   |
| 2,217'—   | 2,187'—                                 |                            |                            | 2,274'—   |
|   |   |                            |                            |   |
|   |   |                            |                            |   |
|   |   |                            |                            |   |
|   |   |                            |                            |   |
| 2,318'  | 2,205'                                  | N. R.                      | N. R.                      | 2,292'  |
| Queenston   | Queenston                               | N. R.                      | N. R.                      | Queenston   |
| Clinton at<br>2,059'-2,095'.<br>Gas at 2,074' &<br>2,209'. I. O. F.<br>115 Mcf. | Clinton at<br>2,040'-2,062'.<br>D. & A. |                            |                            | Clinton at<br>2,116'-2,139'.<br>Show gas at<br>2,131'.<br>D. & A. |

| COUNTY         |                                | CATTARAUGUS                | CATTARAUGUS                | CATTARAUGUS              | ERIE  |
|----------------|--------------------------------|----------------------------|----------------------------|--------------------------|---|
| QUADRANGLE     |                                | Silver Creek               | Silver Creek               | Silver Creek             | Silver Creek  |
| MAP NUMBER     |                                | 89                         | 90                         | 91                       | 92  |
| NAME OF WELL   |                                | M. Press<br>No. 1          | K. Shaw<br>No. 1           | G. Parsons<br>No. 1      | Serial<br>No. 807   |
| OPERATOR       |                                | Iroquois<br>Gas Corp.      | Iroquois<br>Gas Corp.      |                          | Iroquois<br>Gas Corp.   |
| TOWNSHIP       |                                | Perrysburg                 | Perrysburg                 | Perrysburg               | Evans   |
| LATITUDE       |                                | 200' North<br>of 42° 30'   | 1,100' North<br>of 42° 30' | 500' North<br>of 42° 30' | 5,175' North<br>of 42° 40'  |
| LONGITUDE      |                                | 10,200' West<br>of 79° 00' | 5,800' West<br>of 79° 00'  | 800' West<br>of 79° 00'  | 9,980' East<br>of 79° 05'   |
| DATE COMPLETED |                                |                            |                            |                          | 1925  |
| ELEVATION      |                                | 900' Topo.                 | 920' Topo.                 | 860' Topo.               | 600'  |
| TULLY          |                                |                            |                            |                          |   |
| ONONDAGA       |                                |                            |                            |                          | 443'-630'   |
| ORISKANY       |                                |                            |                            |                          |   |
| SALT ZONE      |                                |                            |                            |                          |   |
| LOCKPORT       |                                |                            |                            |                          | 1,078'-1,240'   |
| MEDINAN        | RED<br>MEDINA<br>(GRIMSBY)     |                            |                            |                          | 1,349'-1,420'   |
|                | WHITE<br>MEDINA<br>(WHIRLPOOL) |                            |                            |                          | 1,459'-1,470'   |
| QUEENSTON      |                                |                            |                            |                          |   |
| OSWEGO         |                                |                            |                            |                          |   |
| TRENTON        |                                |                            |                            |                          |   |
| POTSDAM        |                                |                            |                            |                          |   |
| PRECAMBRIAN    |                                |                            |                            |                          |   |
| TOTAL DEPTH    |                                | N. R.                      | N. R.                      | N. R.                    | 1,474'  |
| DEEPEST FM.    |                                | N. R.                      | N. R.                      | N. R.                    |   |
| REMARKS        |                                | D. & A.                    | D. & A.                    |                          | Akron 630'-<br>645'.<br>Clinton<br>1,240'-1,349'.<br>Show of gas<br>at 1,461'.<br>P. & A. |



TABLE I (Cont.)

| ALLEGANY                     | ALLEGANY                                       | ALLEGANY  | ALLEGANY                         | ALLEGANY                         |
|------------------------------|--|---|----------------------------------|----------------------------------|
| Canaseraga                   | Canaseraga                                     | Canaseraga  | Canaseraga                       | Canaseraga                       |
| 1                            | 2  | 3   | 4                                | 5                                |
| L. Bennett<br>No. 1          | H. Benrens<br>No. 1                            | D. Monaghan<br>No. 1                              | F. Terwilligar<br>No. 1          | Allegany Co.<br>Farm No. 1       |
| Sanderson<br>et al.          | Bayless et al.                                 | Penn York<br>Nat. Gas Co.                         | Whitmer<br>Oil & Gas Co.         | Christman-<br>Leiderbaugh et al. |
| Granger                      | Allen  | Birdsall  | Angelica                         | Angelica                         |
| 17,500' South<br>of 42° 30'  | 16,500' South<br>of 42° 30'                    | 23,750' South<br>of 42° 30'                       | 250' North<br>of 42° 20'         | 2,350' North<br>of 42° 20'       |
| 21,000' West<br>of 77° 55'   | 17,900' West<br>of 77° 55'                     | 2,500' West<br>of 77° 50'                         | 18,250' West<br>of 77° 55'       | 8,400' East<br>of 78° 00'        |
| 8/28/35                      | 1/18/36  | 7/13/41   | 2/2/37                           | 11/ /47                          |
| 2,002' Topo.                 | 1,716'   | 1,538'  | 2,033'                           | 2,182'                           |
| 2,512'—                      | 2,577'—  | 2,193'—2,236'                                     | 3,348'—3,408'                    | 3,423'—                          |
| 3,050'—3,150'                | 3,118'—  | 2,741'—2,840'                                     | 3,887'—3,987'                    | 3,895'—                          |
| N. P.                        | 3,204'—  | 2,840'—2,846'                                     | 3,987'—3,989'                    | 4,080'—4,086'                    |
|                              |  |   |                                  |                                  |
|                              |  |   |                                  |                                  |
|                              |  |   |                                  |                                  |
|                              |  |   |                                  |                                  |
|                              |  |   |                                  |                                  |
|                              |  |   |                                  |                                  |
|                              |  |   |                                  |                                  |
|                              |  |   |                                  |                                  |
|                              |  |   |                                  |                                  |
|                              |  |   |                                  |                                  |
|                              |  |   |                                  |                                  |
|                              |  |   |                                  |                                  |
| 3,186'                       | 3,225'   | 2,898'  | 4,027'                           | 4,102'                           |
| Onondaga                     | Oriskany                                       | Oriskany  | Oriskany                         | Oriskany                         |
| No Oriskany<br>sand present. | Dry tight<br>Oriskany<br>sandstone.<br>D. & A. | No gas and<br>no water in<br>Oriskany.<br>P. & A. | 2' tight dry<br>sand.<br>D. & A. | Dry.<br>*p<br>(*P)<br>**         |

| COUNTY         |                          | ALLEGANY  | ALLEGANY                         | ALLEGANY                       | ALLEGANY                |
|----------------|--------------------------|---|----------------------------------|--------------------------------|-------------------------|
| QUADRANGLE     |                          | Canaseraga  | Canaseraga                       | Canaseraga                     | Canaseraga              |
| MAP NUMBER     |                          | 6   | 7                                | 8                              | 9                       |
| NAME OF WELL   |                          | W. Snyder No. 1                                     | C. Duffy No. 1                   | G. Conrad No. 1                | Engalls Est. No. 1      |
| OPERATOR       |                          | Whitmer Oil & Gas Co.                               | T. G. Donohue et al.             | Allegany Gas Co.               | Whitmer Oil & Gas Co.   |
| TOWNSHIP       |                          | Angelica  | Angelica                         | Angelica                       | W. Almond               |
| LATITUDE       |                          | 28,200' South of 42° 25'                            | 10,800' South of 42° 20'         | 25,400' South of 42° 20'       | 1,400' South of 42° 20' |
| LONGITUDE      |                          | 13,500' West of 77° 55'                             | 600' East of 78° 00'             | 16,300' West of 77° 55'        | 9,625' West of 77° 55'  |
| DATE COMPLETED |                          | 1/18/36   | 9/19/52                          | 7/8/43                         | 11/5/36                 |
| ELEVATION      |                          | 2,168'  | 1,504' D. F.                     | 1,787'                         | 1,736'                  |
| TULLY          |                          | 3,450'—   | 2,774'—2,844'                    | 3,108'—3,163'                  | 2,995'—3,060'(?)        |
| ONONDAGA       |                          | 3,992'—4,061'                                       | 3,322'—                          | 3,650'—3,742'                  | 3,550'—3,626'           |
| ORISKANY       |                          | 4,061'—4,075'                                       | 3,394'—3,410'                    | 3,742'—3,759'                  | Horizon 3,626'—         |
| SALT ZONE      |                          |   |                                  |                                |                         |
| LOCKPORT       |                          |   |                                  |                                |                         |
| MEDINAN        | RED MEDINA (GRIMSBY)     |   |                                  |                                |                         |
|                | WHITE MEDINA (WHIRLPOOL) |   |                                  |                                |                         |
| QUEENSTON      |                          |   |                                  |                                |                         |
| OSWEGO         |                          |   |                                  |                                |                         |
| TRENTON        |                          |   |                                  |                                |                         |
| POTSDAM        |                          |   |                                  |                                |                         |
| PRECAMBRIAN    |                          |   |                                  |                                |                         |
| TOTAL DEPTH    |                          | 4,104'  | 3,432'                           | 3,806'                         | 3,800'                  |
| DEEPEST FM.    |                          | Oriskany  | Oriskany                         | Oriskany                       | Oriskany                |
| REMARKS        |                          | I. O. F. 250 Mcf. of gas. 6" in Oriskany sandstone. | I. O. F. 29 Mcf. Farm well.<br>* | Impermeable sand. Dry. D. & A. | D. & A.                 |

TABLE I (Cont.)

| ALLEGANY                   | ALLEGANY   | ALLEGANY  | ALLEGANY   | ALLEGANY  |
|----------------------------|--|---|--|---|
| Canaseraga                 | Canaseraga   | Canaseraga  | Canaseraga   | Canaseraga  |
| 10                         | 11   | 12  | 13   | 14  |
| E. Lorello<br>No. 1        | Fleming<br>No. 1   |   | Scott  | William<br>Tucker   |
| Penn York<br>Nat. Gas Co.  | John Shaw<br>et al.  | J. E. Dunnigan  | J. J. Leighton   | J. J. Leighton  |
| Almond                     | Angelica   | Burns   | Grove  | Grove   |
| 4,700' South<br>of 42° 20' | 1,900' North<br>of 42° 20'   | 15,100' South<br>of 42° 30' Est.  | 13,100' North<br>of 42° 25'  | 11,400' North<br>of 42° 25'                                 |
| 13,200' West<br>of 77° 45' | 9,500' East<br>of 78° 00'  | 8,050' West<br>of 77° 45' Est.  | 8,300' West<br>of 77° 50'  | 11,900' West<br>of 77° 50'                                  |
| 6/6/40                     | 8/12/58  | 1909  | 1934   | 1935  |
| 1,534'                     | 2,138' Grd.  | 1,250' Topo.  | 1,620' Topo.   | 1,750' Topo.  |
| 2,747'-2,800'              | 3,400'-3,452'  |   |  |   |
| 3,340'-3,423'              | 3,947'-4,021½'   |   |  |   |
| Horizon 3,423' -           | 4,021½'-4,035½'  |   |  |   |
|                            |  | 3,050'-3,115'   |  |   |
|                            |  |   |  |   |
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|                            |  |   |  |   |
|                            |  |   |  |   |
| 3,531'                     | 4,046'   | 3,200'  | 2,000'   | 1,700'  |
| Oriskany                   | Oriskany   | Camillus?   | N. R.  | N. R.   |
| D. & A.                    | Show gas at<br>1,000' (30<br>Mcf.) &<br>4,035'-4,036'.<br>(150 cf.)<br>P. & A.<br>*P | A little gas<br>and oil at<br>975'.<br>Bottomed in<br>blue shale.<br>Location at<br>Canaseraga. | Well flowed a<br>small amount<br>of oil through<br>open casing<br>for several<br>years.<br>D. & A. | Produced a<br>small amount<br>of gas and<br>oil.<br>D. & A. |

| COUNTY         |                                | ALLEGANY  | ALLEGANY                  | ALLEGANY                   | ALLEGANY                    |
|----------------|--------------------------------|---|---------------------------|----------------------------|-----------------------------|
| QUADRANGLE     |                                | Canaseraga  | Angelica                  | Angelica                   | Angelica                    |
| MAP NUMBER     |                                | 15  | 1                         | 2                          | 3                           |
| NAME OF WELL   |                                | A. Cartwright<br>No. 1  |                           |                            | R. Thomas<br>No. 1          |
| OPERATOR       |                                | Parsons Bros.   | Iroquois<br>Gas Corp.     | Iroquois<br>Gas Corp.      | Butera Oil<br>Corp.         |
| TOWNSHIP       |                                | Allen   | Hume                      | Hume                       | Hume                        |
| LATITUDE       |                                | 25,900' South<br>of 42° 30'   | 500' South<br>of 42° 30'  | 900' South<br>of 42° 30'   | 11,200' South<br>of 42° 30' |
| LONGITUDE      |                                | 10,700' West<br>of 77° 55'  | 2,850' West<br>of 78° 10' | 12,250' East<br>of 78° 10' | 3,950' West<br>of 78° 10'   |
| DATE COMPLETED |                                | 6/30/59   | 1935                      |                            | 12/14/53                    |
| ELEVATION      |                                | 1,807' D. F.  | 1,530' Topo.              | 1,460'                     | 1,425' Grd.                 |
| TULLY          |                                | 2,455'-2,505'   |                           |                            | 1,954'-1,978'               |
| ONONDAGA       |                                | 3,014'-3,104'   |                           |                            | 2,411'-2,456'               |
| ORISKANY       |                                | Horizon 3,104' -  |                           |                            | Horizon 2,456'-2,460'       |
| SALT ZONE      |                                |   |                           |                            |                             |
| LOCKPORT       |                                |   |                           |                            |                             |
| MEDINAN        | RED<br>MEDINA<br>(GRIMSBY)     |   |                           |                            |                             |
|                | WHITE<br>MEDINA<br>(WHIRLPOOL) |   |                           |                            |                             |
| QUEENSTON      |                                |   |                           |                            |                             |
| OSWEGO         |                                |   |                           |                            |                             |
| TRENTON        |                                |   |                           |                            |                             |
| POTSDAM        |                                |   |                           |                            |                             |
| PRECAMBRIAN    |                                |   |                           |                            |                             |
| TOTAL DEPTH    |                                | 3,155'  |                           |                            | 2,667'                      |
| DEEPEST FM.    |                                | Oriskany  |                           |                            | Oriskany                    |
| REMARKS        |                                | Oriskany sand<br>absent. Show<br>of oil at<br>1130'. Show<br>of gas at<br>1,305' & 1,328'.<br>D. & A.<br>*p | No record.                | No record.                 | D. & A.                     |



| ALLEGANY  | ALLEGANY   | ALLEGANY                   | ALLEGANY                    | ALLEGANY   |
|---|--|----------------------------|-----------------------------|--|
| Angelica  | Angelica   | Angelica                   | Angelica                    | Angelica   |
| 4   | 5  | 6                          | 7                           | 8  |
| M. Connor<br>No. 1  | Buell  | Hammond                    | Gillett                     | J. S. Smith  |
| Filmer Oil &<br>Gas—B. Q. D. C. <sup>1</sup>  |  |                            |                             | Kerr and<br>Kaufmann   |
| Hume  | Hume   | Hume                       | Hume                        | Allen  |
| 11,100' South<br>of 42° 30'   | 11,800' South<br>of 42° 30'  | 8,800' South<br>of 42° 30' | 15,000' South<br>of 42° 30' | 1,650' North<br>of 42° 25'                                   |
| 19,250' West<br>of 78° 05'  | 4,800' East<br>of 78° 10'  | 4,600' West<br>of 78° 05'  | 5,100' West<br>of 78° 05'   | 3,650' West<br>of 78° 00'                                    |
| 1/25/30   | 1899   | 1908                       | 1908                        | 7/21/33  |
| 1,530'  | 1,447'   | 1,190' Topo.               | 1,220' Topo.                | 1,595'   |
| 2,059'–2,075'   |  |                            |                             | 2,279'–2,337'  |
| 2,456'–2,602'   |  |                            |                             | 2,785'–2,872'  |
|   |  |                            |                             | 2,872'–2,878'  |
| 2,917'–3,200'   |  |                            |                             |  |
| 3,350'–3,550'   |  |                            |                             |  |
| 3,736'–3,835'   |  |                            |                             |  |
| 3,841'–3,846'   |  |                            |                             |  |
|   |  |                            |                             |  |
|   |  |                            |                             |  |
|   |  |                            |                             |  |
|   |  |                            |                             |  |
|   |  |                            |                             |  |
| 5,084'  | 3,326'   |                            | 1,600'                      | 2,903'   |
|   |  |                            | U. Devonian                 | Oriskany   |
| No Oriskany<br>sand. Oil<br>sands at 744'–762'<br>& 912'–930'.<br>Oil and<br>gas shale at<br>1186'. Black<br>water at<br>3,555'.<br>P. & A.<br>* ** | Show of gas<br>and oil at<br>1,055', 1,177'–<br>1,192' and<br>1,227'. (Poor<br>record).<br>D. & A.<br>** | No record.                 | No record.                  | Gas at 2,876'.<br>I. O. F 155<br>Mcf. I. R. P.<br>1,475 Lbs. |

<sup>1</sup> Belmont Quadrangle Drilling Corp.

| COUNTY         |                          | ALLEGANY                     | ALLEGANY                | ALLEGANY   | ALLEGANY                 |
|----------------|--------------------------|------------------------------|-------------------------|--|--------------------------|
| QUADRANGLE     |                          | Angelica                     | Angelica                | Angelica   | Angelica                 |
| MAP NUMBER     |                          | 9                            | 10                      | 11   | 12                       |
| NAME OF WELL   |                          | Thayer No. 1                 | F. Maydole No. 1        | Dziekunki No. 1  | C. Steadman No. 1        |
| OPERATOR       |                          | C. Ricker                    | Sawyer Salvage Co.      | Sawyer Salvage Co.   | Kerr and Kaufman         |
| TOWNSHIP       |                          | Caneadea                     | Caneadea                | Caneadea   | Allen                    |
| LATITUDE       |                          | 2,400' North of 42° 25'      | 5,600' North of 42° 20' | 5,450' North of 42° 20'  | 28,500' South of 42° 30' |
| LONGITUDE      |                          | 3,500' East of 78° 10'       | 4,850' East of 78° 10'  | 4,950' East of 78° 10'   | 17,500' West of 78° 00'  |
| DATE COMPLETED |                          | 1921                         | 12/5/52                 | 10/25/52   | 3/27/35                  |
| ELEVATION      |                          | 1,200'                       | 1,584' Alt.             | 1,596' Alt.  | 1,685'                   |
| TULLY          |                          |                              |                         |  | 2,325' —                 |
| ONONDAGA       |                          |                              |                         |  | 2,814' —                 |
| ORISKANY       |                          |                              |                         |  | 2,919' —                 |
| SALT ZONE      |                          |                              |                         |  |                          |
| LOCKPORT       |                          |                              |                         |  |                          |
| MEDINAN        | RED MEDINA (GRIMSBY)     |                              |                         |  |                          |
|                | WHITE MEDINA (WHIRLPOOL) |                              |                         |  |                          |
| QUEENSTON      |                          |                              |                         |  |                          |
| OSWEGO         |                          |                              |                         |  |                          |
| TRENTON        |                          |                              |                         |  |                          |
| POTSDAM        |                          |                              |                         |  |                          |
| PRECAMBRIAN    |                          |                              |                         |  |                          |
| TOTAL DEPTH    |                          | 2,447'                       | 375'                    | 1,429'   | 2,970'                   |
| DEEPEST FM.    |                          | Onondaga?                    | U. Devonian             | U. Devonian  | Oriskany                 |
| REMARKS        |                          | (Records poor).<br>**p<br>*p | Abd.                    | Gas at 700',<br>1,000' & 1,290'.<br>I. O. F. 37 Mcf.<br>I. R. P. 308<br>Lbs. Scio (?)<br>sand at<br>400'—425'. | Tight sand<br>D. & A.    |

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| COUNTY         |                                | ALLEGANY                              | ALLEGANY  | ALLEGANY                   | ALLEGANY                               |
|----------------|--------------------------------|---------------------------------------|---|----------------------------|--|
| QUADRANGLE     |                                | Angelica                              | Angelica  | Angelica                   | Angelica                               |
| MAP NUMBER     |                                | 18                                    | 19  | 20                         | 21                                     |
| NAME OF WELL   |                                | J. W. Slaughter<br>No. 1              | Bank of<br>Angelica No. 2                                     | Bank of<br>Angelica No. 1  | B. Byron                               |
| OPERATOR       |                                | Penn. Nat.<br>Gas                     | Kerr and<br>Kaufman   | Kerr and<br>Kaufman        | H. French                              |
| TOWNSHIP       |                                | Allen                                 | Allen   | Allen                      | Allen                                  |
| LATITUDE       |                                | 2,500' South<br>of 42° 25'            | 3,750' South<br>of 42° 25'                                    | 5,500' South<br>of 42° 25' | 12,550' South<br>of 42° 25'            |
| LONGITUDE      |                                | 3,900' West<br>of 78° 00'             | 8,050' West<br>of 78° 00'                                     | 10,200' West<br>of 78° 00' | 15,650' West<br>of 78° 00'             |
| DATE COMPLETED |                                | 8/2/33                                | 5/4/34  | 8/31/34                    | 2/3/42                                 |
| ELEVATION      |                                | 1,657'                                | 1,639'  | 1,779'                     | 1,971'                                 |
| TULLY          |                                | 2,365'—                               | 2,325'—   | N. R.                      | 2,720'—2,772'                          |
| ONONDAGA       |                                | 2,905'—2,998'                         | 2,859'—   | 3,026'—                    | 3,226'—3,327'                          |
| ORISKANY       |                                | 2,999'—                               | 2,947'—   | 3,139'—                    | 3,327'—                                |
| SALT ZONE      |                                |                                       |   |                            |  |
| LOCKPORT       |                                |                                       |   |                            |  |
| MEDINAN        | RED<br>MEDINA<br>(GRIMSBY)     |                                       |   |                            |  |
|                | WHITE<br>MEDINA<br>(WHIRLPOOL) |                                       |   |                            |  |
| QUEENSTON      |                                |                                       |   |                            |  |
| OSWEGO         |                                |                                       |   |                            |  |
| TRENTON        |                                |                                       |   |                            |  |
| POTSDAM        |                                |                                       |   |                            |  |
| PRECAMBRIAN    |                                |                                       |   |                            |  |
| TOTAL DEPTH    |                                | 3,050'                                | 2,948'  | 3,157'                     | 3,343'                                 |
| DEEPEST FM.    |                                | Oriskany                              | Oriskany  | Oriskany                   | Oriskany                               |
| REMARKS        |                                | Broken, tight<br>dry sand.<br>D. & A. | I. O. F. 200<br>Mcf. I. R. P.<br>1,500 Lbs.<br>Gas at 2,948'. | Tight sand.<br>D. & A.     | S. W. 5½' in<br>sand, 120'<br>in 1 hr. |



TABLE I (Cont.)

| ALLEGANY   | ALLEGANY                               | ALLEGANY   | ALLEGANY                        | ALLEGANY                     |
|--|--|--|---------------------------------|------------------------------|
| Angelica   | Angelica                               | Angelica   | Angelica                        | Angelica                     |
| 22   | 23                                     | 24   | 25                              | 26                           |
| A. Sheldon<br>No. 1  | F. L. Lilley<br>No. 1                  | Bank of<br>Angelica No. 3                                | Harback<br>No. 1                | J. Ringelberg<br>No. 1       |
| Penn United<br>Nat'l. Gas Corp.  | H. French                              | Kaufman,<br>Gordon, et al.                               | Hill and<br>McKinney            | Black Creek<br>Gas & Oil Co. |
| Allen  | Allen                                  | Allen  | New Hudson                      | New Hudson                   |
| 9,100' South<br>of 42° 25'   | 8,400' South<br>of 42° 25'             | 8,400' South<br>of 42° 25'                               | 24,300' South<br>of 42° 20'     | 5,000' North<br>of 42° 15'   |
| 9,750' West<br>of 78° 00'  | 8,600' West<br>of 78° 00'              | 3,800' West<br>of 78° 00'                                | 16,100' West<br>of 78° 10'      | 16,000' West<br>of 78° 10'   |
| 11/25/32   | 7/22/41                                | 6/12/37  | 2/1/40                          | 11/1951                      |
| 1,623'   | 1,672'                                 | 2,003'   | 1,484'                          | 1,485' D. F.                 |
| 2,340'-2,404'  | 2,387'-2,445'                          | 2,742'—  | 2,801'-2,841'                   |                              |
| 2,856'-2,968'  | 2,904'-3,000'                          | 3,260'-3,376'  | 3,269'-3,355'                   |                              |
| 2,968'-2,981'  | 3,000'—                                | 3,376'-3,384'  |                                 |                              |
|  |  | 3,669'-3,875'  |                                 |                              |
|  |  | 4,415'—  |                                 |                              |
|  |  | 4,809'-4,932'  |                                 |                              |
|  |  |  |                                 |                              |
|  |  |  |                                 |                              |
|  |  |  |                                 |                              |
|  |  |  |                                 |                              |
|  |  |  |                                 |                              |
|  |  |  |                                 |                              |
|  |  |  |                                 |                              |
| 3,027'   | 3,015'                                 | 5,001'   | 3,381'                          | 669'(?)                      |
| Oriskany   | Oriskany                               | Queenston  | Oriskany                        | U. Devonian                  |
| Discovery<br>well-Allen<br>field. I. O. F.<br>200 Mcf.<br>w/some S. W.<br>** | I. O. F. 200<br>Mcf. Gas at<br>3,001'. | Medium dry<br>tight sand<br>w/show gas.<br>D. & A.<br>*p | No Oriskany<br>sand.<br>D. & A. | D. & A.                      |

| COUNTY         |                                | ALLEGANY   | ALLEGANY                                    | ALLEGANY   | ALLEGANY   |
|----------------|--------------------------------|--|---|--|--|
| QUADRANGLE     |                                | Angelica   | Angelica                                    | Angelica   | Angelica   |
| MAP NUMBER     |                                | 27   | 28  | 29   | 30   |
| NAME OF WELL   |                                | B. E. Barringer<br>No. 1                           | E. Murray<br>No. 1                          | M. H. Day<br>No. 1   | D. Barranger<br>No. 1  |
| OPERATOR       |                                | Appalachian<br>Dev. Corp.                          | Benedum &<br>Trees                          | Sawyer<br>Salvage Co.  | G. L. Cabot,<br>Inc.   |
| TOWNSHIP       |                                | Belfast  | Belfast                                     | Belfast  | Belfast  |
| LATITUDE       |                                | 25,100' South<br>of 42° 25'                        | 26,000' South<br>of 42° 25'                 | 4,600' North<br>of 42° 20'   | 27,200' South<br>of 42° 25'                                      |
| LONGITUDE      |                                | 21,500' West<br>of 78° 05'                         | 18,400' West<br>of 78° 05'                  | 7,900' East<br>of 78° 10'  | 20,950' West<br>of 78° 05'                                       |
| DATE COMPLETED |                                | 10/11/43   | 1/12/35                                     | 6/29/50  | 7/13/35  |
| ELEVATION      |                                | 1,438'   | 1,634'                                      | 1,442' Grd.  | 1,554'   |
| TULLY          |                                | 2,454'-2,497'                                      | 2,641'-2,736'                               |  | 2,592'-2,635'  |
| ONONDAGA       |                                | 2,932'-3,002'                                      | 3,119'-3,207'                               |  | 3,070'-3,165'  |
| ORISKANY       |                                | Horizon 3,002'—                                    | 3,207'—                                     |  | 3,165'-3,177'  |
| SALT ZONE      |                                |  |   |  |  |
| LOCKPORT       |                                |  |   |  |  |
| MEDINAN        | RED<br>MEDINA<br>(GRIMSBY)     |  |   |  |  |
|                | WHITE<br>MEDINA<br>(WHIRLPOOL) |  |   |  |  |
| QUEENSTON      |                                |  |   |  |  |
| OSWEGO         |                                |  |   |  |  |
| TRENTON        |                                |  |   |  |  |
| POTSDAM        |                                |  |   |  |  |
| PRECAMBRIAN    |                                |  |   |  |  |
| TOTAL DEPTH    |                                | 3,096'   | 3,225'                                      | 1,034'   | 3,185'   |
| DEEPEST FM.    |                                | Oriskany   | Oriskany                                    | U. Devonian  | Oriskany   |
| REMARKS        |                                | Show gas in<br>Onondaga<br>chert.<br>D. & A.<br>** | I. O. F. 240<br>Mcf. I. R. P.<br>1,390 Lbs. | Intended for<br>Oriskany test<br>but abandoned<br>for lack of<br>funds.<br>D. & A. | Show of gas<br>in Oriskany<br>drowned out<br>by S. W.<br>P. & A. |

TABLE I (Cont.)

| ALLEGANY                        | ALLEGANY                             | ALLEGANY                    | ALLEGANY   | ALLEGANY  |
|---------------------------------|--------------------------------------|-----------------------------|--|---|
| Angelica                        | Angelica                             | Angelica                    | Angelica   | Angelica  |
| 31                              | 32                                   | 33                          | 34   | 35  |
| Murray Est.<br>No. 1            | R. C. Ford<br>No. 1                  | Royce No. 1                 | M. E. Crandell<br>No. 1  | State of New<br>York No. 2  |
| G. L. Cabot,<br>Inc.            | Penn. Nat.<br>Gas Co.                | B. Q. D. C.                 | Beers &<br>Fralich   | Beers &<br>Fralich  |
| Belfast                         | Belfast                              | Belfast                     | Belfast  | Belfast   |
| 27,600' South<br>of 42° 25'     | 29,800' South<br>of 42° 25'          | 18,550' South<br>of 42° 20' | 20,600' South<br>of 42° 20'  | 22,600' South<br>of 42° 20'   |
| 17,300' West<br>of 78° 05'      | 19,900' West<br>of 78° 05'           | 1,250' West<br>of 78° 05'   | 5,350' West<br>of 78° 05'  | 8,200' West<br>of 78° 05'   |
| 11/4/35                         | 2/9/33                               | 1/14/30                     | 6/5/53   | 5/22/53   |
| 1,804'                          | 1,750'                               | 1,980'                      | 2,038' D. F.   | 2,034' D. F.  |
| 2,802'-2,842'                   | 2,808'—                              |                             |  |   |
| 3,276'-3,372'                   | 3,287'-3,392'                        |                             |  |   |
| Horizon 3,372'—                 | 3,392'-3,409'                        |                             |  |   |
|                                 |                                      |                             |  |   |
|                                 |                                      |                             |  |   |
|                                 |                                      |                             |  |   |
|                                 |                                      |                             |  |   |
|                                 |                                      |                             |  |   |
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|                                 |                                      |                             |  |   |
|                                 |                                      |                             |  |   |
|                                 |                                      |                             |  |   |
|                                 |                                      |                             |  |   |
|                                 |                                      |                             |  |   |
| 3,476'                          | 3,450'                               | 1,850'                      | 948'   | 976'  |
| Oriskany                        | Oriskany                             | U. Devonian                 | U. Devonian  | U. Devonian   |
| No Oriskany<br>sand.<br>D. & A. | 300' S. W.<br>4' in sand.<br>P. & A. | D. & A.                     | Show of oil<br>in U. Richburg<br>at 883'-906'.<br>Show of<br>oil in Richburg<br>at 912'-945'.<br>P. & A.<br>** | Richburg at<br>909'-971.5'<br>w/show of oil<br>and S. W.<br>P. & A.<br>** |

TABLE I (Cont.)

| COUNTY         |                          | ALLEGANY   | ALLEGANY                          | ALLEGANY  | ALLEGANY   |
|----------------|--------------------------|--|-----------------------------------|---|--|
| QUADRANGLE     |                          | Angelica   | Angelica                          | Angelica  | Angelica   |
| MAP NUMBER     |                          | 36   | 37                                | 38  | 39   |
| NAME OF WELL   |                          | State of New York No. 1                                      | S. Hooker No. 1                   | B. D. Cline No. 1                                   | J. Herdman No. 1   |
| OPERATOR       |                          | Beers & Fralich  | McKinney & Williams               | T. G. Donohue et al.                                | Heiser et al. (Delwood O. & G.)                          |
| TOWNSHIP       |                          | Belfast  | Angelica                          | Angelica  | Angelica   |
| LATITUDE       |                          | 25,700' South of 42° 20'                                     | 1,100' South of 42° 20'           | 14,500' North of 42° 15'                            | 12,700' North of 42° 15'                                 |
| LONGITUDE      |                          | 7,800' West of 78° 05'                                       | 12,100' West of 78° 00'           | 9,350' West of 78° 00'                              | 2,000' West of 78° 00'                                   |
| DATE COMPLETED |                          | 5/8/53   | 11/4/39                           | 6/5/53  | 7/25/56  |
| ELEVATION      |                          | 2,050' D. F.   | 1,742'                            | 1,458'  | 1,952' D. F.   |
| TULLY          |                          |  | 3,043'–3,092'                     |   | 3,255'–3,304'  |
| ONONDAGA       |                          |  | 3,564'–3,642'                     |   | 3,793'–  |
| ORISKANY       |                          |  | 3,642'–3,667'                     |   | 3,876'–3,893'  |
| SALT ZONE      |                          |  |                                   |   | 4,160'–4,195'  |
| LOCKPORT       |                          |  |                                   |   | 4,893'–5,045'  |
| MEDINAN        | RED MEDINA (GRIMSBY)     |  |                                   |   | 5,335'–5,445'  |
|                | WHITE MEDINA (WHIRLPOOL) |  |                                   |   |  |
| QUEENSTON      |                          |  |                                   |   |  |
| OSWEGO         |                          |  |                                   |   |  |
| TRENTON        |                          |  |                                   |   |  |
| POTSDAM        |                          |  |                                   |   |  |
| PRECAMBRIAN    |                          |  |                                   |   |  |
| TOTAL DEPTH    |                          | 998'   | 3,700'                            | 2,350'  | 5,475'   |
| DEEPEST FM.    |                          | U. Devonian  | Oriskany                          | U. Devonian   | Queenston  |
| REMARKS        |                          | Richburg at 925.9'–984.3' w/show of oil and S. W. P. & A. ** | Oriskany dry, tight sand. D. & A. | Gas pocket at 1,071'. S. W. at 495' & 815'. P. & A. | Clinton at 5,297'–5,334'. Gas show at 1,000'. P. & A. *p |



| ALLEGANY                    | ALLEGANY  | ALLEGANY                  | ALLEGANY  | ALLEGANY  |
|-----------------------------|---|---------------------------|---|---|
| Angelica                    | Angelica  | Angelica                  | Angelica  | Angelica  |
| 40                          | 41  | 42                        | 43  | 44  |
| Clark<br>No. 1              | R. Cline<br>No. 1   | R. Cline<br>No. 1         | Lynn Chase<br>No. 1   | G. M. Cook<br>No. 1   |
| Hanley & Bird               | Amity Oil Co.   | W. Gordon                 | Parsons Bros.   | Parsons Bros.   |
| Angelica                    | Amity   | Amity                     | Caneadea  | Hume  |
| 23,000' South<br>of 42° 20' | 27,500' South<br>of 42° 20'                                     | 300' North<br>of 42° 15'  | 3,400' North<br>of 42° 25'  | 17,500' South<br>of 42° 30'                                     |
| 15,350' West<br>of 78° 00'  | 2,100' West<br>of 78° 00'                                       | 3,300' West<br>of 78° 00' | 3,500' West<br>of 78° 10'   | 1,900' West<br>of 78° 10'                                       |
| 4/18/30                     | 6/1/36  | 2/ /51                    | 7/24/58   | 10/16/58  |
| 1,350'                      | 1,693'  | 1,560' Topo.              | 1,501' Grd.   | 1,680'  |
| 2,740'-2,787'               | 2,990'-3,054'   |                           | 2,080'-2,120'   | 2,210'-2,245'   |
| 3,320'-3,368'               | 3,539'-3,617'   |                           | 2,567'-2,676'   | 2,687'-2,814'   |
| 3,368'-3,408'               | 3,617'-3,634'   |                           | Horizon 2,676'—   |   |
|                             |   |                           |   |   |
|                             |   |                           |   |   |
|                             |   |                           |   |   |
|                             |   |                           |   |   |
|                             |   |                           |   |   |
|                             |   |                           |   |   |
|                             |   |                           |   |   |
|                             |   |                           |   |   |
|                             |   |                           |   |   |
|                             |   |                           |   |   |
|                             |   |                           |   |   |
| 4,260'                      | 3,675'  | 1,250'                    | 2,721'  | 2,895'  |
| Lockport?                   | Oriskany  | U. Devonian               | Onondaga  | Onondaga  |
| D. & A.<br>**               | Oriskany.<br>Dry and tight<br>w/5 Mcf. at<br>3,620'.<br>D. & A. | D. & A.                   | No Oriskany<br>sand. Show of<br>gas at 897'.<br>I. R. P. 500<br>Lbs. Show of<br>gas and oil<br>wash from<br>dolomite<br>below Oriskany.<br>*P | No Oriskany<br>sand. Gas at<br>953'-968'.<br>32 Mcf.<br>P. & A. |

| COUNTY         |                                | ALLEGANY   | ALLEGANY   | ALLEGANY   | ALLEGANY   |
|----------------|--------------------------------|--|--|--|--|
| QUADRANGLE     |                                | Angelica   | Angelica   | Angelica   | Angelica   |
| MAP NUMBER     |                                | 45   | 46   | 47   | 48   |
| NAME OF WELL   |                                | G. M. Cook<br>No. 2  | Atherton Est.<br>No. 1   | Lilly<br>No. 1   | Siegel<br>No. 1  |
| OPERATOR       |                                | Parsons Bros.  | Parsons Bros.  | Parsons Bros.  | Parsons Bros.  |
| TOWNSHIP       |                                | Hume   | Allen  | Allen  | Allen  |
| LATITUDE       |                                | 17,100' South<br>of 42° 30'  | 10,400' South<br>of 42° 25'  | 17,550' South<br>of 42° 25'  | 6,400' South<br>of 42° 25'   |
| LONGITUDE      |                                | 2,050' West<br>of 78° 10'  | 13,300' West<br>of 78° 00'   | 15,050' West<br>of 78° 00'   | 13,450' West<br>of 78° 00'   |
| DATE COMPLETED |                                |  | 1/16/59  | 5/6/59   | 4/13/59  |
| ELEVATION      |                                | 1,672' D. F.   | 1,880' D. F.   | 1,752' D. F.   | 1,978' D. F.   |
| TULLY          |                                | 2,220'-2,270'  | 2,545'-2,625'  | 2,565'-2,615'  | 2,657'-2,715'  |
| ONONDAGA       |                                | 2,700'-2,815'  | 3,102'-3,193'  | 3,097'-3,190'  | 3,194'-3,291'  |
| ORISKANY       |                                | Horizon 2,815'—  | 3,193'-3,206'  | 3,190'-3,205'  | 3,291'—  |
| SALT ZONE      |                                | 3,156'-3,470'  |  |  |  |
| LOCKPORT       |                                | 3,660'-3,850'  |  |  |  |
| MEDINAN        | RED<br>MEDINA<br>(GRIMSBY)     | 4,023'-4,104'  |  |  |  |
|                | WHITE<br>MEDINA<br>(WHIRLPOOL) | 4,104'-4,110'  |  |  |  |
| QUEENSTON      |                                | 4,110'-5,098'  |  |  |  |
| OSWEGO         |                                | 5,098'-5,305'  |  |  |  |
| TRENTON        |                                | 6,105'-6,933'  |  |  |  |
| POTSDAM        |                                |  |  |  |  |
| PRECAMBRIAN    |                                |  |  |  |  |
| TOTAL DEPTH    |                                | 7,337'   | 3,231'   | 3,205'   | 3,297'   |
| DEEPEST FM.    |                                | Theresa  | Oriskany   | Oriskany   | Oriskany   |
| REMARKS        |                                | Beekmantown<br>6,933'-7,010'.<br>Little Falls<br>7,010'-7,205'.<br>Theresa at<br>7,205'—.<br>Gas 100 Mcf.<br>at 7,100'-<br>7,108'. S. W.<br>7,320' & 7,337'.<br>*P | Show of S. W.<br>and 20 Mcf.<br>of gas at<br>3,205'. 100<br>Mcf. of gas,<br>green oil and<br>S. W. in lime-<br>stone below<br>Oriskany.<br>P. & A.<br>*P | S. W. 3,187'-<br>3,200'. Some<br>gas at<br>3,193'-3,200'.<br>P. & A.<br>*P | I. O. F. 432<br>Mcf. I. R. P.<br>1,300 Lbs.<br>Some gasoline<br>or condensate<br>reported<br>when well is<br>opened to<br>get rid of<br>water. 3,500<br>Mcf. A/F and<br>S. W. *P |

| ALLEGANY   | ALLEGANY   | CATTARAUGUS  | CATTARAUGUS                | CATTARAUGUS                  |
|--|--|--|----------------------------|------------------------------|
| Angelica   | Angelica   | Franklinville  | Franklinville              | Franklinville                |
| 49   | 50   | 1  | 2                          | 3                            |
| B. Benjamin<br>No. 1   | M. V. Coon<br>No. 1  | G. W. & Grace<br>Burns No. 1   | L. Steffen-<br>hagen No. 1 | C. Little                    |
| Parsons Bros.  | Parsons Bros.  | Iroquois Gas<br>Corp.  | G. Kroh et al.             | Iroquois<br>Gas Corp.        |
| Angelica   | Caneadea   | Yorkshire  | Machias                    | Farmersville                 |
| 9,850' South<br>of 42° 20'                                       | 22,400' South<br>of 42° 25'  | 11,600' South<br>of 42° 30'  | 1,000' South<br>of 42° 25' | 4,400' South<br>of 42° 25'   |
| 16,350' West<br>of 78° 00'                                       | 2,250' West<br>of 78° 05'  | 12,220' West<br>of 78° 25'   | 15,700' West<br>of 78° 25' | 3,600' West<br>of 78° 25'    |
| 8/3/59   | 6/19/59  | 3/27/31  | 12/1947                    | 7/7/31                       |
| 1,444'   | 1,720' Grd.  | 1,520'   | 1,720' Topo.               | 1,998'                       |
| 2,894'-2,948'  | 2,594'-2,649'  |  |                            |                              |
| 3,408'-3,493'  | 3,090'-3,173'  | 2,397'-2,564'  |                            |                              |
| 3,493'-3,501'  | 3,173'-3,180'  |  |                            |                              |
|  |  | Salt reported<br>3,017'-3,090'   |                            |                              |
|  |  | 3,189'-3,404'  |                            | 3,990'-4,180'                |
|  |  | 3,541'-3,627'  |                            | 4,321'-4,406'                |
|  |  | N. P.  |                            | N. P.                        |
|  |  | 3,627' —   |                            | 4,406' —                     |
|  |  |  |                            |                              |
|  |  |  |                            |                              |
|  |  |  |                            |                              |
|  |  |  |                            |                              |
| 3,529'   | 3,220'   | 3,673'   | 4,035'                     | 4,444'                       |
| Oriskany   | Oriskany   | Queenston  | Lockport?                  | Queenston                    |
| 12' to 14'<br>of Oriskany<br>sand. No gas<br>or S. W.<br>D. & A. | Show of oil<br>at 1,030'.<br>No gas or<br>S. W. in<br>Oriskany<br>sand.<br>S. W. 3,216'-<br>3,220'.<br>D. & A.<br>*p | Clinton at<br>3,516'-3,525'.<br>Water at<br>3,247'. Gas<br>show at<br>3,607'.<br>D. & A. | N. R.                      | Clinton at<br>4,303'-4,308'. |

| COUNTY         |                                | CATTARAUGUS  | ALLEGANY  | CATTARAUGUS   | ALLEGANY   |
|----------------|--------------------------------|--|---|---|--|
| QUADRANGLE     |                                | Franklinville  | Franklinville   | Franklinville   | Franklinville  |
| MAP NUMBER     |                                | 4  | 5   | 6   | 7  |
| NAME OF WELL   |                                | C. Howard<br>No. 1   | T. Williams<br>No. 1  | S. Harris<br>No. 1  | Botens-Swift<br>No. 1  |
| OPERATOR       |                                | Bradford Oil<br>& Gas Co.                                  | Iroquois<br>Gas Corp.   | Sunburst Oil<br>& Gas Co.   | Parsons Bros.  |
| TOWNSHIP       |                                | Franklinville  | Centerville   | Ischua  | New Hudson   |
| LATITUDE       |                                | 1,500' North<br>of 42° 20'                                 | 11,700' North<br>of 42° 25'                                       | 2,600' North<br>of 42° 15'  | 6,100' South<br>of 42° 20'   |
| LONGITUDE      |                                | 8,500' East<br>of 78° 30'                                  | 8,400' West<br>of 78° 15'   | 4,500' East<br>of 78° 25'   | 10,200' West<br>of 78° 15'   |
| DATE COMPLETED |                                | 1908   | 9/14/31   | 9/2/58  | 11/4/59  |
| ELEVATION      |                                | 1,625'(?)  | 1,927'  | 2,055'  | 2,080' D. F.   |
| TULLY          |                                |  |   | 3,350'–3,370'   | 3,172'–3,215'<br>3,258'–3,272'   |
| ONONDAGA       |                                | 2,912'–  | 3,006'–3,130'   | 3,721'–3,826'   | 3,638'–3,754'  |
| ORISKANY       |                                | N. R.  | N. R.   | Horizon 3,826'–   | Horizon 3,754'–3,758   |
| SALT ZONE      |                                | 3,370'–3,637'  | 3,625'–3,742'   |   |  |
| LOCKPORT       |                                | 3,717'–  | 3,890'–4,236'   |   |  |
| MEDINAN        | RED<br>MEDINA<br>(GRIMSBY)     |  | 4,251'–4,331'   |   |  |
|                | WHITE<br>MEDINA<br>(WHIRLPOOL) |  | 4,331'–4,337'   |   |  |
| QUEENSTON      |                                |  | 4,337'–   |   |  |
| OSWEGO         |                                |  |   |   |  |
| TRENTON        |                                |  |   |   |  |
| POTSDAM        |                                |  |   |   |  |
| PRECAMBRIAN    |                                |  |   |   |  |
| TOTAL DEPTH    |                                | 4,448'±  | 4,388'  | 3,872'  | 3,784'   |
| DEEPEST FM.    |                                | Clinton  | Queenston   | Oriskany  |  |
| REMARKS        |                                | Sulphur Water<br>and S. W. at<br>3,850'.<br>D. & A.<br>**p | Clinton at<br>4,236'–4,243'.<br>Show gas at<br>2,390'.<br>P. & A. | Oriskany<br>absent.<br>Slight show<br>of gas at<br>3,761'.<br>D. & A. | Fault well.<br>Gas and<br>condensate<br>3,771'–3,781'<br>in medium brn.<br>dolomite,<br>25 Mcf.<br>D. & A.<br>*p |



| ERIE                    | CATTARAUGUS   | CATTARAUGUS   | CATTARAUGUS   | CATTARAUGUS   |
|-------------------------|---|---|---|---|
| Ellicottville           | Ellicottville   | Ellicottville   | Ellicottville   | Ellicottville   |
| 1                       | 2   | 3   | 4   | 5   |
| Springville Well        | Fuller No. 1  | Lester Hansen No. 1   | N. & B. Kessler No. 1   | Carl Miller No. 1                                       |
|                         | Iroquois Gas Corp.  | Iroquois Gas Corp.  | Iroquois Gas Corp.  | United Natural Gas Co.                                  |
| Concord                 | Ashford   | Ashford   | Ashford   | Ashford   |
| 2,200' South of 42° 30' | 5,050' South of 42° 30'   | 2,600' South of 42° 25'   | 28,000' South of 42° 30'  | 20,300' South of 42° 30'                                |
| 5,700' West of 78° 40'  | 16,700' West of 78° 35'   | 7,200' West of 78° 40'  | 8,350' West of 78° 35'  | 20,000' West of 78° 35'                                 |
|                         | 3/1/44  | 8/10/43   | 10/31/43  | 8/25/11   |
| 1,285' Topo.            | 1,325' Topo.  | 1,510' Topo.  | 1,445' Topo.  | 1,610' Topo.  |
|                         |   |   |   |   |
| 1,800'—                 | 1,935'—2,101'   | 2,374'—2,528'   | 2,276'—2,436'   | 2,380'—2,560'   |
|                         |   | 2,528'—2,549'   |   |   |
| 2,525'—                 | 2,480'—2,491'   |   |   | 2,974'—2,989'   |
|                         | 2,663'—2,893'   | 3,115'—3,335'   | 3,000'—3,255'   |   |
|                         | 3,040'—3,119'   | 3,473'—3,556'   | 3,396'—3,486'   | 3,476'—3,585'   |
|                         |   |   |   |   |
|                         | 3,119'—   |   |   | 3,585'—   |
|                         |   |   |   |   |
|                         |   |   |   |   |
|                         |   |   |   |   |
| 2,550'                  | 3,163'  | 3,587'  | 3,520'  | 3,666'  |
| U. Silurian             | Queenston   | Queenston   | Queenston   | Queenston   |
| D. & A.                 | Thorold at 3,031'—3,040'. Shale gas at 900'. Water at 2,788'. P. & A. | Slight show of gas at 3,523'. Gas sand at 3,557'—3,560'. S. W. at 250' and 3,556'—3,557'. P. & A. | Thorold at 3,375'—3,396'. Some shale gas at 400' and 800'. S. W. at 3,129'. P. & A. | Fresh water at 147'. Black water 3,235'—3,260'. D. & A. |

| COUNTY         |                          | CATTARAUGUS              | CATTARAUGUS   | ERIE                   | ERIE                           |
|----------------|--------------------------|--------------------------|---|------------------------|--------------------------------|
| QUADRANGLE     |                          | Ellicottville            | Ellicottville   | Cattaraugus            | Cattaraugus                    |
| MAP NUMBER     |                          | 6                        | 7   | 1                      | 2                              |
| NAME OF WELL   |                          | G. A. Mattison No. 1     | Woodard No. 1   |                        | H. & N. Schuele No. 1          |
| OPERATOR       |                          | United Natural Gas Co.   | Iroquois Gas Corp.  |                        | Iroquois Gas Corp.             |
| TOWNSHIP       |                          | East Otto                | East Otto   | Collins                | Collins                        |
| LATITUDE       |                          | 16,400' South of 42° 25' | 24,200' South of 42° 30'  | 300' South of 42° 30'  | 1,200' South of 42° 30'        |
| LONGITUDE      |                          | 6,800' West of 78° 40'   | 17,300' West of 78° 40'   | 4,000' West of 78° 55' | 1,400' East of 78° 55'         |
| DATE COMPLETED |                          | 10/31/11                 | 5/7/43  |                        | 5/13/44                        |
| ELEVATION      |                          | 1,710' Topo.             | 1,400' Topo.  | 816' Topo.             | 900' Topo.                     |
| TULLY          |                          |                          |   |                        |                                |
| ONONDAGA       |                          | 2,665'-2,810'            | 2,155'-2,316'   | 1,327'-                | 1,422'-1,590'                  |
| ORISKANY       |                          |                          | 2,316'-2,335'   |                        |                                |
| SALT ZONE      |                          | 3,270'-3,300'            | 2,750'-2,770'   |                        |                                |
| LOCKPORT       |                          |                          | 2,845'-3,070'   |                        | 2,075'-2,370'                  |
| MEDINAN        | RED MEDINA (GRIMSBY)     | 3,755'-3,853'            | 3,249'-3,331'   | 2,286' -               | 2,400'-2,490'                  |
|                | WHITE MEDINA (WHIRLPOOL) | 3,853'-3,863'            | 3,335'-3,338'   |                        | 2,508'-2,526'                  |
| QUEENSTON      |                          | 3,863' -                 |   |                        | 2,526' -                       |
| OSWEGO         |                          |                          |   |                        |                                |
| TRENTON        |                          |                          |   |                        |                                |
| POTSDAM        |                          |                          |   |                        |                                |
| PRECAMBRIAN    |                          |                          |   |                        |                                |
| TOTAL DEPTH    |                          | 3,939'                   | 3,375'  |                        | 2,541'                         |
| DEEPEST FM.    |                          | Queenston                | Queenston   | Medina                 | Queenston                      |
| REMARKS        |                          | D. & A.                  | Thorold at 3,238'-3,249'. Shale gas at 700'. Slight show of gas at 3,278'. Sulphur gas at 2,970'. P. & A. |                        | Show gas at 500'-800'. D. & A. |

| ERIE  | ERIE                       | ERIE                       | ERIE  | ERIE   |
|---|----------------------------|----------------------------|---|--|
| Cattaraugus   | Cattaraugus                | Cattaraugus                | Cattaraugus   | Cattaraugus  |
| 3   | 4                          | 5                          | 6   | 7  |
| D. H. Johnson<br>No. 1  |                            | Corbett                    | Moss<br>No. 1   | H. F. Dudmeyer<br>No. 1                            |
| Iroquois<br>Gas Corp.   |                            |                            | Iroquois<br>Gas Corp.   | Iroquois<br>Gas Corp.                              |
| Collins   | Collins                    | Collins                    | Collins   | Collins  |
| 150' South<br>of 42° 30'  | 4,000' South<br>of 42° 30' | 7,100' South<br>of 42° 30' | 3,800' South<br>of 42° 30'  | 5,600' South<br>of 42° 30'                         |
| 6,100' West<br>of 78° 50'   | 9,600' West<br>of 78° 55'  | 7,200' West<br>of 78° 55'  | 2,450' East<br>of 78° 55'   | 11,000' East<br>of 78° 55'                         |
| 3/31/21   |                            |                            | 3/15/43   | 10/27/20   |
| 1,106.87'   | 835'                       | 790'                       | 985' Topo.  | 968.7'   |
|   |                            |                            |   |  |
| 1,590'-1,771'   | 1,345'—                    | 1,337'—                    | 1,478'-1,656'   | 1,440'-1,625'                                      |
|   |                            |                            |   |  |
|   |                            |                            |   |  |
| 2,340'-2,574'   |                            |                            | 2,165'-2,448'   | 2,168'-2,470'                                      |
| 2,599'-2,684'   | 2,316'-2,408'              | 2,299'-2,398'              | 2,475'-2,578'   | 2,505'-2,606'                                      |
| 2,708'-2,713'   | 2,408'-2,425'              | 2,398'-2,415'              | 2,578'-2,593'   | 2,606'-2,613'                                      |
| 2,713'—   | 2,425'—                    | 2,415'—                    | 2,593'—   | 2,613'—  |
|   |                            |                            |   |  |
|   |                            |                            |   |  |
|   |                            |                            |   |  |
| 2,727'  | 2,526'                     | 2,515'                     | 2,610'  | 2,625'   |
| Queenston   | Queenston                  | Queenston                  | Queenston   | Queenston  |
| Smoke and<br>black water<br>at 2,395'.<br>Show gas at<br>1,690' &<br>2,659'.<br>D. & A. |                            |                            | Smoke at 2,220'.<br>Show of gas at<br>2,504' & 2,524'.<br>D. & A. | Show of gas<br>in Clinton<br>at 2,485'.<br>D. & A. |

## NEW YORK

TABLE I (Cont.)

| COUNTY         |                          | ERIE                    | ERIE                                      | ERIE   | ERIE                     |
|----------------|--------------------------|-------------------------|---|--|--------------------------|
| QUADRANGLE     |                          | Cattaraugus             | Cattaraugus                               | Cattaraugus  | Cattaraugus              |
| MAP NUMBER     |                          | 8                       | 9   | 10   | 11                       |
| NAME OF WELL   |                          | Isfester & Hunter No. 1 | W. E. Dupont No. 1                        | H. J. Becker   |                          |
| OPERATOR       |                          | Iroquois Gas Corp.      | Iroquois Gas Corp.                        | Iroquois Gas Corp.   |                          |
| TOWNSHIP       |                          | Collins                 | Collins                                   | Collins  | Collins                  |
| LATITUDE       |                          | 3,400' South of 42° 30' | 3,050' South of 42° 30'                   | 11,450' South of 42° 30'   | 11,600' South of 42° 30' |
| LONGITUDE      |                          | 1,625' West of 78° 50'  | 7,700' East of 78° 50'                    | 3,900' East of 78° 55'   | 6,800' East of 78° 55'   |
| DATE COMPLETED |                          | 7/14/21                 | 11/26/21                                  | 2/20/20  |                          |
| ELEVATION      |                          | 1,141.9'                | 1,329.7'                                  | 1,028.2'   | 1,085'                   |
| TULLY          |                          |                         |   |  |                          |
| ONONDAGA       |                          | 1,688'-1,868'           | 1,854'-2,024'                             | 1,540'-1,720'  | 1,615'—                  |
| ORISKANY       |                          |                         |   |  |                          |
| SALT ZONE      |                          |                         |   |  |                          |
| LOCKPORT       |                          | 2,400'-2,670'           | 2,495'-2,835'                             | 2,165'-2,566'  |                          |
| MEDINAN        | RED MEDINA (GRIMSBY)     | 2,680'-2,792'           | 2,849'-2,965'                             | 2,586'-2,703'  | 2,678'—                  |
|                | WHITE MEDINA (WHIRLPOOL) | 2,792'—                 | 2,965'-2,986'                             | 2,703'-2,711'  |                          |
| QUEENSTON      |                          |                         | 2,986'—                                   | 2,711'—  |                          |
| OSWEGO         |                          |                         |   |  |                          |
| TRENTON        |                          |                         |   |  |                          |
| POTSDAM        |                          |                         |   |  |                          |
| PRECAMBRIAN    |                          |                         |   |  |                          |
| TOTAL DEPTH    |                          | 2,804'                  | 2,986'                                    | 2,728'   |                          |
| DEEPEST FM.    |                          | Queenston               | Queenston                                 | Queenston  |                          |
| REMARKS        |                          | D. & A.                 | Smoke at 2,633'. Water at 2,648'. D. & A. | Black water and smoke at 2,350'. Gas at 2,704'. I. O. F. 40 Mcf. P. & A. |                          |



| ERIE  | ERIE                        | ERIE  | ERIE                       | ERIE  |
|---|-----------------------------|---|----------------------------|---|
| Cattaraugus   | Cattaraugus                 | Cattaraugus                                   | Cattaraugus                | Cattaraugus   |
| 12  | 13                          | 14  | 15                         | 16  |
| C. B. Heard<br>No. 2  |                             | A. K. Johnson<br>No. 1                        |                            | L. Konert<br>No. 2  |
| Iroquois<br>Gas Corp.   |                             | Iroquois<br>Gas Corp.                         | Iroquois<br>Gas Corp.      | Iroquois<br>Gas Corp.   |
| Collins   | Collins                     | Collins                                       | Collins                    | Collins   |
| 14,700' South<br>of 42° 30'   | 13,600' South<br>of 42° 30' | 10,250' South<br>of 42° 30'                   | 8,200' South<br>of 42° 30' | 8,850' South<br>of 42° 30'  |
| 4,950' East<br>of 78° 55'   | 8,600' East<br>of 78° 55'   | 10,300' West<br>of 78° 50'                    | 3,400' West<br>of 78° 50'  | 100' West<br>of 78° 50'   |
| 4/16/21   |                             | 4/17/19                                       |                            | 4/1/52  |
| 1,057.8'  | 1,167'                      | 1,090.2'                                      | 1,156'                     | 1,215' Topo.  |
|   |                             |   |                            |   |
| 1,600'-1,785'   | 1,731'—                     | 1,645'-1,834'                                 |                            | 1,780'-1,964'   |
|   |                             |   |                            |   |
|   |                             |   |                            |   |
| 2,335'-2,657'   |                             | 2,380'-2,653'                                 |                            | 2,510'-2,767'   |
| 2,657'-2,757'   | 2,772'—                     | 2,685'-2,784'                                 |                            | 2,797'-2,900'   |
| N. P.   |                             | 2,784'-2,793'                                 |                            | 2,900'-2,910'   |
| 2,757'—   |                             | 2,793'—                                       |                            | 2,910'—   |
|   |                             |   |                            |   |
|   |                             |   |                            |   |
|   |                             |   |                            |   |
|   |                             |   |                            |   |
| 2,800'  |                             | 2,802'  | 2,847'                     | 2,938'  |
| Queenston   |                             | Queenston                                     | Queenston                  | Queenston   |
| Smoke and<br>black water<br>at 2,434'.<br>Show gas at<br>2,732'.<br>D. & A. |                             | Gas at 2,790'.<br>I. O. F. 37 Mcf.<br>P. & A. | Producer in<br>Zoar Field. | Smoke and<br>black water<br>at 2,590'.<br>Show gas at<br>1964'. I. O. F.<br>16 Mcf.<br>Collins storage<br>well. |

| COUNTY         |                                | ERIE  | ERIE                                 | ERIE   | ERIE                        |
|----------------|--------------------------------|---|--------------------------------------|--|-----------------------------|
| QUADRANGLE     |                                | Cattaraugus                                       | Cattaraugus                          | Cattaraugus  | Cattaraugus                 |
| MAP NUMBER     |                                | 17  | 18                                   | 19   | 20                          |
| NAME OF WELL   |                                | C. White<br>No. 1                                 | H. Shaw<br>No. 1                     | J. Grass<br>No. 1  | Holcomb                     |
| OPERATOR       |                                | Iroquois<br>Gas Corp.                             | Iroquois<br>Gas Corp.                | Iroquois<br>Gas Corp.  |                             |
| TOWNSHIP       |                                | Collins   | Collins                              | Collins  | Collins                     |
| LATITUDE       |                                | 6,100' South<br>of 42° 30'                        | 11,100' South<br>of 42° 30'          | 10,600' South<br>of 42° 30'  | 13,400' North<br>of 42° 25' |
| LONGITUDE      |                                | 2,750' East<br>of 78° 50'                         | 3,900' West<br>of 78° 50'            | 1,600' East<br>of 78° 50'  | 6,900' West<br>of 78° 50'   |
| DATE COMPLETED |                                | 5/12/20   | 7/18/18                              | 3/23/50  |                             |
| ELEVATION      |                                | 1,263'  | 1,147'                               | 1,295' Topo.   | 1,410'                      |
| TULLY          |                                |   |                                      |  |                             |
| ONONDAGA       |                                | 1,812'-1,994'                                     | 1,605'-1,870'                        | 1,890'-2,070'  | 2,040'—                     |
| ORISKANY       |                                |   |                                      |  |                             |
| SALT ZONE      |                                |   |                                      |  |                             |
| LOCKPORT       |                                | 2,400'-2,822'                                     | 2,320'-2,735'                        | 2,618'-2,890'  |                             |
| MEDINAN        | RED<br>MEDINA<br>(GRIMSBY)     | 2,832'-2,917'                                     | 2,750'-2,856'                        |  | 3,076'-3,185'               |
|                | WHITE<br>MEDINA<br>(WHIRLPOOL) | 2,917'-2,932'                                     | 2,856'-2,861'                        |  | 3,185'-3,193'               |
| QUEENSTON      |                                | 2,932'—   | 2,861'—                              |  | 3,193'—                     |
| OSWEGO         |                                |   |                                      |  |                             |
| TRENTON        |                                |   |                                      |  |                             |
| POTSDAM        |                                |   |                                      |  |                             |
| PRECAMBRIAN    |                                |   |                                      |  |                             |
| TOTAL DEPTH    |                                | 2,954'  |                                      | 3,045'   | 3,217'                      |
| DEEPEST FM.    |                                | Queenston   | Queenston                            | Queenston  | Queenston                   |
| REMARKS        |                                | Smoke and<br>black water<br>at 2,582'.<br>D. & A. | Gas at 1,870'<br>and 2,800'.<br>Dry. | Oil and smoke<br>at 2,685'.<br>Black water at<br>2,694'. Show<br>gas at<br>2,073'-2,075'.<br>D. & A. | D. & A.                     |

| ERIE  | ERIE  | ERIE                              | ERIE                          | ERIE                       |
|---|---|-----------------------------------|-------------------------------|----------------------------|
| Cattaraugus   | Cattaraugus   | Cattaraugus                       | Cattaraugus                   | Cattaraugus                |
| 21  | 22  | 23                                | 24                            | 25                         |
| W. Phillips<br>No. 1  | S. Shearer<br>No. 1                                   | E. Potter<br>No. 1                | N. L. & O.<br>Power Co. No. 1 | M. Parkinson<br>No. 1      |
| Iroquois<br>Gas Corp.   | Iroquois<br>Gas Corp.                                 | Iroquois<br>Gas Corp.             | Iroquois<br>Gas Corp.         | Iroquois<br>Gas Corp.      |
| Collins   | Collins   | Collins                           | Collins                       | Collins                    |
| 14,900' South<br>of 42° 30'   | 15,700' South<br>of 42° 30'                           | 19,000' South<br>of 42° 30'       | 11,700' South<br>of 42° 30'   | 8,700' South<br>of 42° 30' |
| 3,100' West<br>of 78° 50'   | 600' West<br>of 78° 50'                               | 3,400' West<br>of 78° 50'         | 8,000' East<br>of 78° 50'     | 12,300' East<br>of 78° 50' |
| 11/10/51  | 1/11/22   | 6/21/22                           | 8/23/41                       | 1/6/05                     |
| 1,340' Topo.  | 1,226.27'   | 1,206.33'                         | 1,165' Topo.                  | 1,184.4'                   |
|   |   |                                   |                               |                            |
| 1,830'–2,015'   | 1,818'–2,005'   | 1,840'–2,025'                     | 1,743'–1,887'                 | 1,720' –                   |
|   |   |                                   | 1,887'–1,968'                 |                            |
|   | 2,385'–2,415'   |                                   |                               |                            |
| 2,590'–2,859'   | 2,548'–2,849'   | 2,592'–2,885'                     |                               |                            |
| 2,889'–2,992'   | 2,865'–2,994'   | 2,912'–3,012'                     |                               |                            |
| 2,992'–3,004'   | 2,994'–2,998'   | 3,012'–3,020'                     |                               |                            |
| 3,004' –  | 2,998' –  | 3,020' –                          |                               |                            |
|   |   |                                   |                               |                            |
|   |   |                                   |                               |                            |
|   |   |                                   |                               |                            |
|   |   |                                   |                               |                            |
| 3,039'  | 2,998'  | 3,032'                            | 1,979'                        | 1,947'                     |
| Queenston   | Queenston   | Queenston                         | Oriskany                      | Oriskany ?                 |
| Smoke at<br>2,645'. Black<br>water at<br>2,666'. Show<br>gas at 2,927'<br>and 2,996'.<br>I. O. F. 64<br>Mcf. I. R. P.<br>424 Lbs. | Smoke at<br>2,628'. Show<br>gas at 2,934'.<br>D. & A. | Show gas at<br>3,015'.<br>D. & A. | D. & A.                       | D. & A.                    |

| COUNTY         |                                | ERIE  | ERIE  | ERIE                        | ERIE                       |
|----------------|--------------------------------|---|---|-----------------------------|----------------------------|
| QUADRANGLE     |                                | Cattaraugus   | Cattaraugus                                   | Cattaraugus                 | Cattaraugus                |
| MAP NUMBER     |                                | 26  | 27  | 28                          | 29                         |
| NAME OF WELL   |                                | J. Barrett<br>No. 1   | A. White<br>No. 2                             | A. White<br>No. 4           | J. Hunter<br>No. 1         |
| OPERATOR       |                                | Iroquois<br>Gas Corp.   | Iroquois<br>Gas Corp.                         | Iroquois<br>Gas Corp.       | Iroquois<br>Gas Corp.      |
| TOWNSHIP       |                                | Collins   | Collins                                       | Collins                     | Concord                    |
| LATITUDE       |                                | 14,950' South<br>of 42° 30'   | 13,200' South<br>of 42° 30'                   | 13,200' South<br>of 42° 30' | 8,700' South<br>of 42° 35' |
| LONGITUDE      |                                | 7,350' East<br>of 78° 50'   | 10,500' East<br>of 78° 50'                    | 13,700' East<br>of 78° 50'  | 7,800' West<br>of 78° 45'  |
| DATE COMPLETED |                                | 8/15/49   | 11/17/95                                      | 10/18/28                    | 9/7/25                     |
| ELEVATION      |                                | 950' Topo.  | 971.76'                                       | 1,140' Topo.                | 1,385' Topo.               |
| TULLY          |                                |   |   |                             |                            |
| ONONDAGA       |                                | 1,456'-1,648'   | 1,445'-1,630'                                 | 1,700'-1,887'               | 1,854'-2,039'              |
| ORISKANY       |                                | 1,648'-1,678'   |   |                             |                            |
| SALT ZONE      |                                |   |   |                             |                            |
| LOCKPORT       |                                |   | 1,715'—                                       |                             |                            |
| MEDINAN        | RED<br>MEDINA<br>(GRIMSBY)     |   |   |                             |                            |
|                | WHITE<br>MEDINA<br>(WHIRLPOOL) |   |   |                             |                            |
| QUEENSTON      |                                |   |   |                             |                            |
| OSWEGO         |                                |   |   |                             |                            |
| TRENTON        |                                |   |   |                             |                            |
| POTSDAM        |                                |   |   |                             |                            |
| PRECAMBRIAN    |                                |   |   |                             |                            |
| TOTAL DEPTH    |                                | 1,754'  | 1,800'  | 1,887'                      | 2,081'                     |
| DEEPEST FM.    |                                | Oriskany  | Lockport                                      | Onondaga                    | Onondaga                   |
| REMARKS        |                                | S. W. at 155'.<br>Show gas at<br>155' & 1,649'.<br>Zoar storage.<br>D. & A. | Gas at 1,465'.<br>I. O. F. 30 Mcf.<br>P. & A. | D. & A.                     | D. & A.                    |



| ERIE                              | ERIE   | CATTARAUGUS                | CATTARAUGUS                | CATTARAUGUS                             |
|-----------------------------------|--|----------------------------|----------------------------|---|
| Cattaraugus                       | Cattaraugus  | Cattaraugus                | Cattaraugus                | Cattaraugus                             |
| 30                                | 31   | 32                         | 33                         | 34                                      |
| L. Bylbie<br>No. 1                | N. L. & O.<br>Power Co. No. 1  | A. Gable<br>No. 1          |                            | H. Parker<br>No. 2                      |
| Iroquois<br>Gas Corp.             | Iroquois<br>Gas Corp.  | Iroquois<br>Gas Corp.      |                            | Reservation<br>Gas Co.                  |
| Concord                           | Concord  | Perrysburg                 | Perrysburg                 | Perrysburg                              |
| 7,900' South<br>of 42° 30'        | 7,800' South<br>of 42° 30'   | 3,500' South<br>of 42° 30' | 6,000' South<br>of 42° 30' | 8,600' South<br>of 42° 30'              |
| 5,700' West<br>of 78° 45'         | 4,100' West<br>of 78° 45'  | 1,400' East<br>of 79° 00'  | 2,800' East<br>of 79° 00'  | 3,600' East<br>of 79° 00'               |
| 10/29/43                          | 11/27/42   |                            |                            | 8/26/25                                 |
| 1,260' Topo.                      | 1,290' Topo.   | 950' Topo.                 | 977'                       | 980' Topo.                              |
|                                   |  |                            |                            |   |
| 1,678'-1,867'                     | 1,725'-1,898'  |                            | 1,505' -                   | 1,575'-1,755'                           |
|                                   | 1,898'-1,923'  |                            |                            |   |
|                                   |  |                            |                            |   |
|                                   |  |                            |                            | 2,245'-2,420'                           |
|                                   |  |                            | 2,430' -                   | 2,522'-2,623'                           |
|                                   |  |                            |                            | 2,623'-2,645'                           |
|                                   |  |                            |                            | 2,645' -                                |
|                                   |  |                            |                            |   |
|                                   |  |                            |                            |   |
|                                   |  |                            |                            |   |
| 1,984'                            | 1,935'   |                            |                            | 2,659'                                  |
| Onondaga                          | Oriskany   |                            |                            | Queenston                               |
| Show gas at<br>1,340'.<br>D. & A. | Show oil at<br>1,908'. Show<br>S. W. at 1,908'<br>& 1,223'.<br>D. & A. | D. & A.                    |                            | Clinton at<br>2,484'-2,522'.<br>D. & A. |

| COUNTY         |                                | CATTARAUGUS  | CATTARAUGUS                             | CATTARAUGUS                 | CATTARAUGUS                 |
|----------------|--------------------------------|--|---|-----------------------------|-----------------------------|
| QUADRANGLE     |                                | Cattaraugus  | Cattaraugus                             | Cattaraugus                 | Cattaraugus                 |
| MAP NUMBER     |                                | 35   | 36                                      | 37                          | 38                          |
| NAME OF WELL   |                                | W. Ratzel<br>No. 3   | F. Vail<br>No. 1                        | Flagus                      | Mackmer<br>No. 1            |
| OPERATOR       |                                | Reservation<br>Gas Co.   | Reservation<br>Gas Co.                  |                             |                             |
| TOWNSHIP       |                                | Perrysburg   | Perrysburg                              | Perrysburg                  | Perrysburg                  |
| LATITUDE       |                                | 11,000' South<br>of 42° 30'  | 12,300' South<br>of 42° 30'             | 14,000' South<br>of 42° 30' | 13,200' South<br>of 42° 30' |
| LONGITUDE      |                                | 900' East<br>of 79° 00'  | 2,800' East<br>of 79° 00'               | 10,400' East<br>of 79° 00'  | 8,200' West<br>of 78° 55'   |
| DATE COMPLETED |                                | 6/17/35  | 6/10/25                                 |                             |                             |
| ELEVATION      |                                | 1,135'   | 1,135' Topo.                            | 960' Topo.                  | 785' Topo.                  |
| TULLY          |                                |  |   |                             |                             |
| ONONDAGA       |                                | 1,710'-1,885'  | 1,715'-1,889'                           | 1,535'—                     |                             |
| ORISKANY       |                                |  |   |                             |                             |
| SALT ZONE      |                                |  |   |                             |                             |
| LOCKPORT       |                                | 2,380'-2,560'  | 2,390'-2,580'                           | 2,184'—                     |                             |
| MEDINA         | RED<br>MEDINA<br>(GRIMSBY)     | 2,669'-2,766'  | 2,682'-2,767'                           | 2,514'—                     |                             |
|                | WHITE<br>MEDINA<br>(WHIRLPOOL) | 2,766'-2,784'  | 2,767'-2,800'                           | 2,608'—                     |                             |
| QUEENSTON      |                                | 2,784'—  | 2,800'—                                 |                             |                             |
| OSWEGO         |                                |  |   |                             |                             |
| TRENTON        |                                |  |   |                             |                             |
| POTSDAM        |                                |  |   |                             |                             |
| PRECAMBRIAN    |                                |  |   |                             |                             |
| TOTAL DEPTH    |                                | 2,884'   | 2,812'                                  |                             |                             |
| DEEPEST FM.    |                                | Queenston  | Queenston                               |                             |                             |
| REMARKS        |                                | Clinton at<br>2,629'-2,669'.<br>Gas at 2,699' &<br>2,773'. I. O. F.<br>186 Mcf. I. R. P.<br>710 Lbs. | Clinton at<br>2,606'-2,682'.<br>D. & A. | D. & A.                     | Dry.<br>D. & A.             |

| CATTARAUGUS   | CATTARAUGUS   | CATTARAUGUS   | CATTARAUGUS   | CATTARAUGUS                |
|---|---|---|---|----------------------------|
| Cattaraugus   | Cattaraugus   | Cattaraugus   | Cattaraugus   | Cattaraugus                |
| 39  | 40  | 41  | 42  | 43                         |
| L. Estus  | J. Smith<br>No. 1   | B. Press<br>No. 1   | F. Swiatek  |                            |
| Reservation<br>Gas Co.  | Reservation<br>Gas Co.  | Reservation<br>Gas Co.  | Reservation<br>Gas Co.  |                            |
| Perrysburg  | Perrysburg  | Perrysburg  | Perrysburg  | Perrysburg                 |
| 15,400' South<br>of 42° 30'   | 15,300' South<br>of 42° 30'   | 13,800' North<br>of 42° 25'   | 13,100' North<br>of 42° 25'   | 9,900' North<br>of 42° 25' |
| 1,900' East<br>of 79° 00'   | 4,600' East<br>of 79° 00'   | 1,500' East<br>of 79° 00'   | 6,000' East<br>of 79° 00'   | 300' East<br>of 79° 00'    |
| 6/13/26   | 4/14/26   | 6/30/25   | 12/14/26  |                            |
| 1,205' Topo.  | 1,200' Topo.  | 1,270' Topo.  | 1,225' Topo.  | 1,560'                     |
|   |   |   |   |                            |
| 1,815'-1,985'   | 1,795'-1,965'   | 1,841'-2,019'   | 1,840'-2,014'   | 2,158'—                    |
|   |   |   |   |                            |
|   |   |   |   |                            |
| 2,500'-2,700'   | 2,475'-2,660'   | 2,515'-2,705'   |   |                            |
| 2,778'-2,867'   | 2,760'-2,853'   | 2,822'-2,915'   | 2,823'-2,917'   | 3,128'—                    |
|   |   |   |   |                            |
| 2,867'-2,888'   | 2,853'-2,868'   | 2,915'-2,937'   | 2,917'-2,934'   |                            |
| 2,888'—   | 2,868'—   | 2,937'—   | 2,934'—   |                            |
|   |   |   |   |                            |
|   |   |   |   |                            |
|   |   |   |   |                            |
|   |   |   |   |                            |
| 2,928'  | 2,920'  | 3,037'  | 3,039'  |                            |
| Queenston   | Queenston   | Queenston   | Queenston   |                            |
| Clinton at<br>2,750'-2,778'.<br>Gas at<br>2,876'-2,882'.<br>I. O. F. 115<br>Mcf. I. R. P.<br>585 Lbs. | Clinton at<br>2,715'-2,760'.<br>Gas at 2,793'.<br>I. O. F. 100<br>Mcf. I. R. P.<br>870 Lbs. | Clinton at<br>2,780'-2,822'.<br>I. O. F. 2.4<br>Mcf. I. R. P.<br>975 Lbs. | Clinton at<br>2,781'-2,823'.<br>Gas at 2,921'.<br>I. O. F. 620<br>Mcf. I. R. P.<br>500 Lbs. |                            |

| COUNTY         |                          | CATTARAUGUS  | CATTARAUGUS   | CATTARAUGUS                       | CATTARAUGUS   |
|----------------|--------------------------|--|---|-----------------------------------|---|
| QUADRANGLE     |                          | Cattaraugus  | Cattaraugus   | Cattaraugus                       | Cattaraugus   |
| MAP NUMBER     |                          | 44   | 45  | 46                                | 47  |
| NAME OF WELL   |                          | F. Dewey No. 1   | Dewey Est. No. 1  | H. Farnsworth No. 1               | L. Catalpa No. 1  |
| OPERATOR       |                          | Reservation Gas Co.  | Finance Oil & Gas Co.   | Reservation Gas Co.               | Reservation Gas Co.   |
| TOWNSHIP       |                          | Perrysburg   | Perrysburg  | Perrysburg                        | Perrysburg  |
| LATITUDE       |                          | 9,500' North of 42° 25'  | 8,900' North of 42° 25'   | 10,300' North of 42° 25'          | 6,800' North of 42° 25'   |
| LONGITUDE      |                          | 6,100' East of 79° 00'   | 9,600' East of 79° 00'  | 8,000' West of 78° 55'            | 4,200' East of 79° 00'  |
| DATE COMPLETED |                          | 8/23/32  | 3/26/31   | 11/26/32                          | 6/21/33   |
| ELEVATION      |                          | 1,225' Topo.   | 1,100'  | 985' Topo.                        | 1,425' Topo.  |
| TULLY          |                          |  |   |                                   |   |
| ONONDAGA       |                          | 1,840'-2,013'  | 1,803'-1,990'   | 1,595'-1,770'                     | 2,010'-2,185'   |
| ORISKANY       |                          |  |   |                                   |   |
| SALT ZONE      |                          |  |   |                                   |   |
| LOCKPORT       |                          | 2,540'-2,737'  | 2,498'-2,721'   | 2,307'-2,475'                     | 2,740'-2,920'   |
| MEDINAN        | RED MEDINA (GRIMSBY)     | 2,846'-2,937'  | 2,811'-2,907'   | 2,627'-2,710'                     | 3,051'-3,144'   |
|                | WHITE MEDINA (WHIRLPOOL) | 2,937'-2,952'  | 2,907'-2,917'   | 2,710'-2,723'                     | 3,144'-3,157'   |
| QUEENSTON      |                          | 2,952' —   | 2,917' —  | 2,723' —                          | 3,157' —  |
| OSWEGO         |                          |  |   |                                   |   |
| TRENTON        |                          |  |   |                                   |   |
| POTSDAM        |                          |  |   |                                   |   |
| PRECAMBRIAN    |                          |  |   |                                   |   |
| TOTAL DEPTH    |                          | 3,053'   | 2,935'  | 2,753'                            | 3,258'  |
| DEEPEST FM.    |                          | Queenston  | Queenston   | Queenston                         | Queenston   |
| REMARKS        |                          | Clinton at 2,799'-2,846'. Gas at 2,943'-2,946'. I. O. F. 134 Mcf. I. R. P. 65 Lbs. | Clinton at 2,769'-2,811'. Gas at 2,833'-2,836'. I. O. F. 500 Mcf. I. R. P. 910 Lbs. | Clinton at 2,580'-2,627'. D. & A. | Clinton at 3,001'-3,051'. Gas at 3,150'-3,154'. I. O. F. 554 Mcf. I. R. P. 760 Lbs. |



| CATTARAUGUS   | CATTARAUGUS                             | CATTARAUGUS  | CATTARAUGUS  | CATTARAUGUS                |
|---|---|--|--|----------------------------|
| Cattaraugus   | Cattaraugus                             | Cattaraugus  | Cattaraugus  | Cattaraugus                |
| 48  | 49                                      | 50   | 51   | 52                         |
| C. Springer<br>No. 2  | H. Barnhart<br>No. 1                    | "Vinton"   | Ross   | Kewley Est.                |
| Reservation<br>Gas Co.  | Reservation<br>Gas Co.                  | J. D. Rickerson  |  |                            |
| Perrysburg  | Perrysburg                              | Persia   | Persia   | Persia                     |
| 8,000' North<br>of 42° 25'  | 6,500' North<br>of 42° 25'              | 15,200' North<br>of 42° 25'  | 9,000' North<br>of 42° 25'   | 4,600' North<br>of 42° 25' |
| 5,700' East<br>of 79° 00'   | 6,100' East<br>of 79° 00'               | 3,800' West<br>of 78° 55'  | 5,100' East<br>of 78° 55'  | 2,500' East<br>of 78° 55'  |
| 4/5/33  | 12/8/33                                 | 3/23/83  | 7/ /97   |                            |
| 1,295' Topo.  | 1,350' Topo.                            | 785' Topo.   | 860' Topo.   | 1,150'                     |
|   |   |  |  |                            |
| 1,902'-2,077'   | 1,905'-2,095                            | 1,290'-1,580'  |  |                            |
|   |   | 1,580' —   |  | 1,820'-2,006'              |
|   |   |  |  |                            |
| 2,602'-2,790'   | 2,631'-2,825'                           |  |  | 2,580'-2,785'              |
| 2,920'-3,011'   | 2,936'-3,030'                           |  |  | 2,912'-2,993'              |
| 3,011'-3,023'   | 3,030'-3,060'                           |  |  | 2,993'-3,009'              |
| 3,023' —  | 3,060' —                                |  |  | 3,009' —                   |
|   |   |  |  |                            |
|   |   |  |  |                            |
|   |   |  |  |                            |
|   |   |  |  |                            |
| 3,050'  | 3,060'                                  | 2,251'   | 2,060'   | 3,011'                     |
| Queenston   | Queenston                               | Queenston  |  | Queenston                  |
| Clinton at<br>2,871'-2,920'.<br>Gas at<br>3,014'-3,019'.<br>I. O. F. 554<br>Mcf. I. R. P.<br>865 Lbs. | Clinton at<br>2,886'-2,936'.<br>D. & A. | Show oil at<br>458', 904' &<br>1,006'. Show<br>gas at 904' &<br>1,006'. S.W.<br>at 250' and in<br>Wr. Medina.<br>P. & A. | Show gas at<br>246', 570',<br>598', 1,193' &<br>1,505'. Show<br>oil at 1,626',<br>1,707' &<br>1,765'.<br>P. & A. | D. & A.                    |

| COUNTY         |                                | CATTARAUGUS                | CATTARAUGUS                               | CATTARAUGUS                  | CATTARAUGUS                 |
|----------------|--------------------------------|----------------------------|---|------------------------------|-----------------------------|
| QUADRANGLE     |                                | Cattaraugus                | Cattaraugus                               | Cattaraugus                  | Cattaraugus                 |
| MAP NUMBER     |                                | 53                         | 54  | 55                           | 56                          |
| NAME OF WELL   |                                | N. Palmer<br>No. 1         | Moran<br>No. 1                            | N. Fog                       |                             |
| OPERATOR       |                                | Finance Oil<br>& Gas Co.   | Finance Oil<br>& Gas Co.                  |                              | Lee Gas Corp.               |
| TOWNSHIP       |                                | Persia                     | Persia                                    | Persia                       | Persia                      |
| LATITUDE       |                                | 3,400' South<br>of 42° 25' | 6,500' South<br>of 42° 25'                | 9,900' South<br>of 42° 25'   | 10,300' South<br>of 42° 25' |
| LONGITUDE      |                                | 2,900' East<br>of 78° 55'  | 2,700' West<br>of 78° 55'                 | 4,300' West<br>of 78° 55'    | 3,700' East<br>of 78° 55'   |
| DATE COMPLETED |                                | 1933                       | 4/ /35                                    |                              |                             |
| ELEVATION      |                                | 1,370'                     | 1,422'                                    | 1,382'                       | 1,372'                      |
| TULLY          |                                |                            |   |                              |                             |
| ONONDAGA       |                                | 2,119' —                   | 2,175'—2,370'                             | 2,123'—2,303'                | 2,116' —                    |
| ORISKANY       |                                |                            |   |                              |                             |
| SALT ZONE      |                                |                            |   |                              |                             |
| LOCKPORT       |                                | 2,910' —                   |   | 2,930'—3,098'                |                             |
| MEDINAN        | RED<br>MEDINA<br>(GRIMSBY)     | 3,232'—3,314'              |   | 3,231'—3,319'                | 3,220' —                    |
|                | WHITE<br>MEDINA<br>(WHIRLPOOL) | 3,314'—3,322'              | 3,320' —                                  | 3,319'—3,331'                | N. P.                       |
| QUEENSTON      |                                | 3,322' —                   |   |                              |                             |
| OSWEGO         |                                |                            |   |                              |                             |
| TRENTON        |                                |                            |   |                              |                             |
| POTSDAM        |                                |                            |   |                              |                             |
| PRECAMBRIAN    |                                |                            |   |                              |                             |
| TOTAL DEPTH    |                                | 3,345'                     | 3,332'                                    | 3,432'                       | 3,413'                      |
| DEEPEST FM.    |                                | Queenston                  | Queenston                                 | Queenston                    | Queenston                   |
| REMARKS        |                                |                            | Gas in<br>Medina.<br>I. O. F. 350<br>Mcf. | Clinton at<br>3,179'—3,231'. | Producer.                   |

TABLE I (Cont.)

| CATTARAUGUS  | CATTARAUGUS                 | CATTARAUGUS                | CATTARAUGUS                | CATTARAUGUS  |
|--|-----------------------------|----------------------------|----------------------------|--|
| Cattaraugus  | Cattaraugus                 | Cattaraugus                | Cattaraugus                | Cattaraugus  |
| 57   | 58                          | 59                         | 60                         | 61   |
| Wilder<br>No. 1                                      |                             | Abbe<br>No. 1              | Abbe<br>No. 2              | Strickland<br>No. 2                                  |
| Dougherty  | Lee Gas Corp.               | Lee Gas Corp.              | Lee Gas Corp.              | Lee Gas Corp.  |
| Persia   | Persia                      | Otto                       | Otto                       | Otto   |
| 10,300' South<br>of 42° 25'                          | 12,600' South<br>of 42° 25' | 6,600' South<br>of 42° 25' | 7,000' South<br>of 42° 25' | 8,600' South<br>of 42° 25'                           |
| 6,400' East<br>of 78° 55'                            | 6,100' East<br>of 78° 55'   | 7,200' East<br>of 78° 55'  | 8,600' East<br>of 78° 55'  | 7,500' East<br>of 78° 55'                            |
|  |                             |                            |                            |  |
| 1,060'   | 1,324'                      | 1,199'                     | 1,389'                     | 1,212'   |
|  |                             |                            |                            |  |
| 1,880'-2,045'  | 2,126'-2,300'               | 1,930'-2,110'              | 2,135'-2,315'              | 2,000'-2,185'  |
|  |                             |                            |                            |  |
|  |                             |                            |                            |  |
| 2,480'-2,502'  |                             | 2,700'—                    | 2,850'—                    | 2,640'—  |
| 2,940'-2,948'  | 3,225'-3,315'               | 3,050'-3,136'              | 3,237'-3,328'              | 3,095'-3,185'  |
| 3,058'—  | 3,315'-3,340'               | 3,136'-3,145'              | 3,328'-3,339'              | 3,185'—  |
|  | 3,340'—                     | 3,145'—                    | 3,339'—                    |  |
|  |                             |                            |                            |  |
|  |                             |                            |                            |  |
|  |                             |                            |                            |  |
|  |                             |                            |                            |  |
| 3,068'   | 3,350'                      | 3,167'                     | 3,342'                     | 3,196'   |
| Queenston  | Queenston                   | Queenston                  | Queenston                  | Queenston  |
| I. O. F. 1,600<br>Mcf. I. R. P.<br>1,012 Lbs.<br>**p |                             | 250 Mcf.<br>**p            | Producer.<br>**p           | I. O. F. 7,000<br>Mcf. I. R. P.<br>1,000 Lbs.<br>**p |

| COUNTY         |                                | CATTARAUGUS                | CATTARAUGUS                | CATTARAUGUS                 | CATTARAUGUS                |
|----------------|--------------------------------|----------------------------|----------------------------|-----------------------------|----------------------------|
| QUADRANGLE     |                                | Cattaraugus                | Cattaraugus                | Cattaraugus                 | Cattaraugus                |
| MAP NUMBER     |                                | 62                         | 63                         | 64                          | 65                         |
| NAME OF WELL   |                                |                            |                            |                             |                            |
| OPERATOR       |                                | Lee Gas Corp.              | Lee Gas Corp.              | Lee Gas Corp.               |                            |
| TOWNSHIP       |                                | Otto                       | Otto                       | Otto                        | East Otto                  |
| LATITUDE       |                                | 9,300' South<br>of 42° 25' | 8,600' South<br>of 42° 25' | 13,500' North<br>of 42° 20' | 8,300' South<br>of 42° 25' |
| LONGITUDE      |                                | 6,900' East<br>of 78° 55'  | 9,200' East<br>of 78° 55'  | 9,800' East<br>of 78° 55'   | 1,900' West<br>of 78° 45'  |
| DATE COMPLETED |                                |                            |                            |                             |                            |
| ELEVATION      |                                | 1,084'                     | 1,294'                     | 1,126'                      | 1,390' Topo.               |
| TULLY          |                                |                            |                            |                             |                            |
| ONONDAGA       |                                | 1,851'-1,981'              | 2,150'-2,325'              | 1,982'—                     |                            |
| ORISKANY       |                                |                            |                            |                             |                            |
| SALT ZONE      |                                |                            |                            |                             |                            |
| LOCKPORT       |                                |                            |                            |                             |                            |
| MEDINAN        | RED<br>MEDINA<br>(GRIMSBY)     | 2,930'—                    |                            | 3,057'—                     | 3,361'-3,446'              |
|                | WHITE<br>MEDINA<br>(WHIRLPOOL) | 3,053'—                    | 3,352'-3,363'              | 3,200'—                     | 3,446'-3,468'              |
| QUEENSTON      |                                |                            | 3,363'—                    |                             | 3,468'—                    |
| OSWEGO         |                                |                            |                            |                             |                            |
| TRENTON        |                                |                            |                            |                             |                            |
| POTSDAM        |                                |                            |                            |                             |                            |
| PRECAMBRIAN    |                                |                            |                            |                             |                            |
| TOTAL DEPTH    |                                | 3,079'                     | 3,377'                     |                             | 3,498'                     |
| DEEPEST FM.    |                                | Queenston                  | Queenston                  |                             | Queenston                  |
| REMARKS        |                                | Producer.                  | Producer.                  |                             |                            |



TABLE I (Cont.)

| CATTARAUGUS   | CATTARAUGUS   | CHAUTAUQUA  | CHAUTAUQUA  | CHAUTAUQUA   |
|---|---|---|---|--|
| Cattaraugus   | Cattaraugus   | Cherry Creek  | Cherry Creek  | Cherry Creek   |
| 66  | 67  | 1   | 2   | 3  |
| C. Richey<br>No. 1  | D. Heron<br>No. 1   | M. Stilson  | W. Henris<br>No. 2  | Ensign et al.  |
| Griffith et al.   | Humble Oil &<br>Refining Co.                                      |   |   |  |
| New Albion  | New Albion  | Sheridan  | Sheridan  | Sheridan   |
| 4,300' North<br>of 42° 20'                                  | 20,800' South<br>of 42° 20'                                       | 200' South<br>of 42° 30'  | 300' South<br>of 42° 30'  | 600' South<br>of 42° 30'   |
| 1,400' East<br>of 78° 55'                                   | 1,050' West<br>of 78° 55'   | 700' East<br>of 79° 15'   | 3,900' East<br>of 79° 15'   | 9,750' East<br>of 79° 15'  |
| 6/25/34   | 12/15/62  | 1915  | 2/15/16   | 1915?  |
| 1,821'  | 1,833' D. F.  | 685' Topo.  | 715' Topo.  | 745' Topo.   |
|   | 2,642'–2,652'   |   |   |  |
| 2,710' –  | 2,962'–3,130'   | 900'–1,105'   | 918'–1,128'   | 975'–1,185'  |
| 2,800' –  | Horizon 3,130' –  |   |   |  |
| 3,330'–3,350'   |   |   |   |  |
| 3,520' –  | 3,758' –  |   | 1,578'–1,782'   | 1,610'–1,840'  |
| 3,842'–3,900'   | 4,052'–   | 1,859'–1,980'   | 1,875'–1,996'   | 1,933'–2,052'  |
| 3,900'–3,930'   |   | 1,980'–1,992'   | 1,996'–2,006'   | 2,052'–2,070'  |
| 3,938' –  | 4,206' –  | 1,992' –  | 2,006' –  | 2,070' –   |
|   |   |   |   |  |
|   |   |   |   |  |
|   |   |   |   |  |
|   |   |   |   |  |
|   |   |   |   |  |
| 3,967'  | 4,240'  | 2,005'  | 2,046'  | 2,082'   |
| Queenston   | Queenston   | Queenston   | Queenston   | Queenston  |
| Black water<br>at 3,567'.<br>S. W. at<br>3,668'.<br>D. & A. | No gas in<br>Medina.<br>Drilled by<br>rotary rig.<br>P. & A.<br>* | Clinton at<br>1,832'–1,859'.<br>Gas at 1,866'<br>and 1,907'.<br>I. O. F. 275<br>Mcf. I. R. P.<br>800 Lbs.<br>Abd. 6/6/27. | Clinton at<br>1,845'–1,875'.<br>Gas at 1,890'.<br>I. O. F. 84<br>Mcf. | Clinton at<br>1,906'–1,933'.<br>Black water<br>at 1,705'.<br>D. & A. |

| COUNTY         |                                | CHAUTAUQUA   | CHAUTAUQUA  | CHAUTAUQUA  | CHAUTAUQUA   |
|----------------|--------------------------------|--|---|---|--|
| QUADRANGLE     |                                | Cherry Creek   | Cherry Creek  | Cherry Creek  | Cherry Creek   |
| MAP NUMBER     |                                | 4  | 5   | 6   | 7  |
| NAME OF WELL   |                                | A. Falcone<br>No. 1  | E. Collins<br>No. 4   | L. Miner<br>No. 2   | Griswold   |
| OPERATOR       |                                |  |   |   |  |
| TOWNSHIP       |                                | Sheridan   | Sheridan  | Sheridan  | Sheridan   |
| LATITUDE       |                                | 560' South<br>of 42° 30'   | 60' South<br>of 42° 30'   | 4,200' South<br>of 42° 30'  | 3,500' South<br>of 42° 30'   |
| LONGITUDE      |                                | 12,500' East<br>of 79° 15'   | 14,800' East<br>of 79° 15'  | 500' West<br>of 79° 15'   | 8,300' East<br>of 79° 15'  |
| DATE COMPLETED |                                | 3/21/44  | 1/11/44   | 2/19/18   | 6/30/15  |
| ELEVATION      |                                | 770'   | 770'  | 730' Topo.  | 765' Topo.   |
| TULLY          |                                |  |   |   |  |
| ONONDAGA       |                                | 1,009'-1,218'  | 1,020'-1,232'   | 955'-1,175'   | 1,060'-1,265'  |
| ORISKANY       |                                | N. P.  | N. P.   |   |  |
| SALT ZONE      |                                |  |   |   |  |
| LOCKPORT       |                                | 1,679'-1,873'  | 1,693'-1,891'   | 1,600'-1,812'   | 1,720'-1,920'  |
| MEDINA         | RED<br>MEDINA<br>(GRIMSBY)     | 1,973'-2,084'  | 1,991'-2,105'   | 1,915'-2,030'   | 2,025'-2,142'  |
|                | WHITE<br>MEDINA<br>(WHIRLPOOL) | 2,084'-2,104'  | 2,105'-2,124'   | 2,030'-2,044'   | 2,142'-2,160'  |
| QUEENSTON      |                                | 2,104'—  | 2,124'—   | 2,044'—   | 2,160'—  |
| OSWEGO         |                                |  |   |   |  |
| TRENTON        |                                |  |   |   |  |
| POTSDAM        |                                |  |   |   |  |
| PRECAMBRIAN    |                                |  |   |   |  |
| TOTAL DEPTH    |                                | 2,104'   | 2,184'  | 2,061'  | 2,169'   |
| DEEPEST FM.    |                                | Queenston  | Queenston   | Queenston   | Queenston  |
| REMARKS        |                                | Clinton at<br>1,941'-1,973'.<br>Black water<br>at 1,753'.<br>Show of oil<br>at 1,218'. Gas<br>at 1,969',<br>2,091'-2,093' &<br>2,096'-2,099'.<br>I. O. F. 2,350<br>Mcf. I. R. P.<br>207 Lbs. | Clinton at<br>1,959'-1,991'.<br>Smoke and<br>black water<br>at 1,763'.<br>Show gas at<br>1,985'. Gas at<br>2,112'-2,118'.<br>I. O. F. 475<br>Mcf. | Clinton at<br>1,890'-1,915'.<br>Smoke at<br>1,673'. Show<br>gas at 1,945'.<br>D. & A. | Clinton at<br>1,993'-2,025'.<br>Black water<br>at 1,785'. Gas<br>at 1,766',<br>2,013' & 2,060'.<br>I. O. F. 65<br>Mcf. |

| CHAUTAUQUA  | CHAUTAUQUA                 | CHAUTAUQUA   | CHAUTAUQUA  | CHAUTAUQUA   |
|---|----------------------------|--|---|--|
| Cherry Creek  | Cherry Creek               | Cherry Creek   | Cherry Creek  | Cherry Creek   |
| 8   | 9                          | 10   | 11  | 12   |
| W. Kuhrt  | L. Chappell                | F. Miller<br>No. 1   | S. Williams   | M. Tooke   |
|   |                            |  |   |  |
| Sheridan  | Sheridan                   | Sheridan   | Sheridan  | Sheridan   |
| 5,300' South<br>of 42° 30'  | 4,400' South<br>of 42° 30' | 8,200' South<br>of 42° 30'   | 8,600' South<br>of 42° 30'  | 6,900' South<br>of 42° 30'   |
| 10,900' East<br>of 79° 15'  | 17,600' East<br>of 79° 15' | 1,600' East<br>of 79° 15'  | 4,500' East<br>of 79° 15'   | 8,700' East<br>of 79° 15'  |
| 2/21/16   | 1914                       | 8/6/18   | 4/2/19  | 4/23/20  |
| 835' Topo.  | 850' Topo.                 | 805' Topo.   | 815' Topo.  | 845' Topo.   |
|   |                            |  |   |  |
| 1,080'-1,280'   |                            | 1,050'-1,260'  | 1,100'-1,315'   | 1,130'-1,350'  |
|   |                            |  |   |  |
|   |                            |  |   |  |
| 1,700'-1,965'   |                            | 1,725'-1,925'  | 1,770'-1,980'   | 1,770'-1,990'  |
| 2,052'-2,167'   |                            | 2,015'-2,155'  | 2,075'-2,197'   | 2,094'-2,230'  |
| 2,167'-2,182'   |                            | 2,140'-2,155'  | 2,197'-2,214'   | 2,211'-2,230'  |
| 2,182'—   |                            | 2,155'—  | 2,214'—   | 2,230'—  |
|   |                            |  |   |  |
|   |                            |  |   |  |
|   |                            |  |   |  |
|   |                            |  |   |  |
| 2,192'  |                            | 2,210'   | 2,269'  | 2,272'   |
| Queenston   |                            | Queenston  | Queenston   | Queenston  |
| Clinton at<br>2,022'-2,052'.<br>Show gas at<br>2,067'. I. O. F.<br>18 Mcf.<br>P. & A. | D. & A.                    | Clinton at<br>1,995'-2,015'.<br>Black water<br>at 1,790'. Gas<br>at 2,021' &<br>2,148'. I. O. F.<br>281 Mcf. | Clinton at<br>2,051'-2,075'.<br>Black water<br>at 1,840'. Gas<br>at 2,140' &<br>2,204'. I. O. F.<br>62 Mcf. | Clinton at<br>2,063'-2,094'.<br>Black water<br>at 1,850'.<br>Gas at 2,106'<br>& 2,216'.<br>I. O. F. 350<br>Mcf. I. R. P.<br>590 Lbs. |



| COUNTY         |                          | CHAUTAUQUA   | CHAUTAUQUA   | CHAUTAUQUA  | CHAUTAUQUA  |
|----------------|--------------------------|--|--|---|---|
| QUADRANGLE     |                          | Cherry Creek   | Cherry Creek   | Cherry Creek  | Cherry Creek  |
| MAP NUMBER     |                          | 13   | 14   | 15  | 16  |
| NAME OF WELL   |                          | Tryczenski   | C. Morrison No. 1  | J. Woodard No. 1  | F. Smith  |
| OPERATOR       |                          |  |  |   |   |
| TOWNSHIP       |                          | Sheridan   | Sheridan   | Sheridan  | Sheridan  |
| LATITUDE       |                          | 7,800' South of 42° 30'  | 11,700' South of 42° 30'   | 11,400' South of 42° 30'                                  | 11,700' South of 42° 30'  |
| LONGITUDE      |                          | 12,800' East of 79° 15'  | 4,350' East of 79° 15'   | 7,000' East of 79° 15'                                    | 11,150' East of 79° 15'   |
| DATE COMPLETED |                          | 9/18/20  | 7/2/20   | 9/1/16  | 4/21/29   |
| ELEVATION      |                          | 880' Topo.   | 890' Topo.   | 980' Topo.  | 1,065' Topo.  |
| TULLY          |                          |  |  |   |   |
| ONONDAGA       |                          | 1,170'-1,385'  | 1,230'-1,441'  | 1,285'-1,500'   | 1,390'-1,602'   |
| ORISKANY       |                          |  |  |   |   |
| SALT ZONE      |                          |  |  |   |   |
| LOCKPORT       |                          | 1,800'-2,040'  | 1,886'-2,101'  | 1,950'-2,165'   | 2,025'-2,265'   |
| MEDINAN        | RED MEDINA (GRIMSBY)     | 2,141'-2,254'  | 2,200'-2,320'  | 2,257'-2,385'   | 2,353'-2,480'   |
|                | WHITE MEDINA (WHIRLPOOL) | 2,254'-2,276'  | 2,320'-2,338'  | 2,385'-2,402'   | 2,480'-2,497'   |
| QUEENSTON      |                          | 2,276'—  | 2,338'—  | 2,402'—   | 2,497'—   |
| OSWEGO         |                          |  |  |   |   |
| TRENTON        |                          |  |  |   |   |
| POTSDAM        |                          |  |  |   |   |
| PRECAMBRIAN    |                          |  |  |   |   |
| TOTAL DEPTH    |                          | 2,282'   | 2,353'   | 2,417'  | 2,547'  |
| DEEPEST FM.    |                          | Queenston  | Queenston  | Queenston   | Queenston   |
| REMARKS        |                          | Clinton at 2,116'-2,141'. Black water at 1,905'. Gas at 2,191'. I. O. F. 59 Mcf. P. & A. | Clinton at 2,188'-2,200'. Black water at 1,974'. Gas at 2,240'. I. O. F. 28 Mcf. P. & A. | Clinton at 2,235'-2,251'. Gas at 2,385'. I. O. F. 53 Mcf. | Clinton at 2,331'-2,353'. Gas at 2,408' & 2,486'. I. O. F. 790 Mcf. I. R. P. 790 Lbs. |



| CHAUTAUQUA   | CHAUTAUQUA   | CHAUTAUQUA   | CHAUTAUQUA   | CHAUTAUQUA  |
|--|--|--|--|---|
| Cherry Creek   | Cherry Creek   | Cherry Creek   | Cherry Creek   | Cherry Creek  |
| 17   | 18   | 19   | 20   | 21  |
| T. Cszyz<br>No. 1  | L. Cary<br>No. 1   | Szumigala<br>No. 4   | C. Schlepp   | M. Chekolsky<br>No. 1   |
|  |  |  |  | Republic  |
| Sheridan   | Sheridan   | Sheridan   | Sheridan   | Sheridan  |
| 11,700' South<br>of 42° 30'  | 15,200' South<br>of 42° 30'  | 14,200' South<br>of 42° 30'  | 15,300' South<br>of 42° 30'  | 14,800' North<br>of 42° 25'   |
| 13,900' East<br>of 79° 15'   | 300' East<br>of 79° 15'  | 3,400' East<br>of 79° 15'  | 7,400' East<br>of 79° 15'  | 10,000' East<br>of 79° 15'  |
| 6/27/29  | 2/16/25  |  | 12/15/25   | 1/7/26  |
| 1,065' Topo.   | 980' Topo.   | 1,100' Topo.   | 1,180' Topo.   | 1,200'  |
|  |  |  |  |   |
| 1,435'-1,645'  | 1,320'-1,540'  | 1,415'-1,632'  | 1,500'-1,740'  | 1,525'-1,745'   |
|  |  |  |  | N. P.   |
|  |  |  |  |   |
| 2,095'-2,302'  | 1,960'-2,195'  | 2,036'-2,307'  | 2,363'-2,432'  | 2,174'-2,414'   |
| 2,393'-2,536'  | 2,290'-2,425'  | 2,390'-2,502'  | 2,452'-2,580'  | 2,484'-2,614'   |
| 2,536'-2,547'  | 2,425'-2,437'  | 2,502'-2,522'  | 2,580'-2,598'  | 2,614'-2,634'   |
| 2,547' —   | 2,437' —   | 2,522' —   |  | 2,634' —  |
|  |  |  |  |   |
|  |  |  |  |   |
|  |  |  |  |   |
|  |  |  |  |   |
| 2,550'   | 2,442'   | 2,547'   | 2,650'   | 2,634'  |
| Queenston  | Queenston  | Queenston  | Queenston  | Queenston   |
| Clinton at<br>2,371'-2,393'.<br>Black water<br>at 2,182'.<br>D. & A. | Clinton at<br>2,270'-2,290'.<br>Black water<br>at 2,085'. Gas<br>at 2,350'.<br>I. O. F. 16 Mcf.<br>P. & A. | Black water<br>at 2,131'.<br>Gas at<br>2,440'-2,450' &<br>2,508'-2,518'.<br>I. O. F. 540<br>Mcf. | Clinton at<br>2,432'-2,452'.<br>Gas in Medina.<br>I. O. F. 448<br>Mcf. | Clinton at<br>2,464'-2,484'.<br>Black water<br>at 2,300'. Gas<br>at 2,616'-<br>2,626'. I. O. F.<br>1,600 Mcf.<br>I. R. P. 735<br>Lbs. |

| COUNTY         |                                | CHAUTAUQUA  | CHAUTAUQUA  | CHAUTAUQUA   | CHAUTAUQUA   |
|----------------|--------------------------------|---|---|--|--|
| QUADRANGLE     |                                | Cherry Creek  | Cherry Creek  | Cherry Creek   | Cherry Creek   |
| MAP NUMBER     |                                | 22  | 23  | 24   | 25   |
| NAME OF WELL   |                                | W. Ransom<br>No. 1  | F. Walkowski  | J. Jopek   | B. Dominski<br>No. 1   |
| OPERATOR       |                                |   |   |  |  |
| TOWNSHIP       |                                | Sheridan  | Sheridan  | Sheridan   | Sheridan   |
| LATITUDE       |                                | 12,400' North<br>of 42° 25'   | 17,600' South<br>of 42° 30'   | 9,100' North<br>of 42° 25'   | 20,700' South<br>of 42° 30'  |
| LONGITUDE      |                                | 1,300' East<br>of 79° 15'   | 7,100' East<br>of 79° 15'   | 1,900' East<br>of 79° 15'  | 6,800' East<br>of 79° 15'  |
| DATE COMPLETED |                                | 10/25/24  | 7/27/25   | 2/3/26   | 11/16/27   |
| ELEVATION      |                                | 1,090'  | 1,255' Topo.  | 1,280'   | 1,340'   |
| TULLY          |                                |   |   |  |  |
| ONONDAGA       |                                | 1,400'–1,620'   | 1,610'–1,835'   | 1,645'–1,859'  | 1,720'–1,940'  |
| ORISKANY       |                                |   |   |  |  |
| SALT ZONE      |                                |   |   |  |  |
| LOCKPORT       |                                | 2,112'–2,312'   | 2,270'–2,500'   | 2,295'–2,536'  | 2,400'–2,583'  |
| MEDINA         | RED<br>MEDINA<br>(GRIMSBY)     | 2,396'–2,521'   | 2,584'–2,714'   | 2,615'–2,724'  | 2,680'–2,814'  |
|                | WHITE<br>MEDINA<br>(WHIRLPOOL) | 2,521'–2,540'   | 2,714'–2,733'   | 2,724'–2,745'  | 2,814'–2,834'  |
| QUEENSTON      |                                | 2,540' –  | 2,733' –  | 2,745' –   | 2,834' –   |
| OSWEGO         |                                |   |   |  |  |
| TRENTON        |                                |   |   |  |  |
| POTSDAM        |                                |   |   |  |  |
| PRECAMBRIAN    |                                |   |   |  |  |
| TOTAL DEPTH    |                                | 2,584'  | 2,733'  | 2,750'   | 2,837'   |
| DEEPEST FM.    |                                | Queenston   | Queenston   | Queenston  | Queenston  |
| REMARKS        |                                | Clinton at<br>2,372'–2,396'.<br>Black water<br>at 2,156'.<br>Water at<br>1,636'. Gas at<br>2,530'. I. O. F.<br>450 Mcf.<br>I. R. P. 840<br>Lbs. | Clinton at<br>2,564'–2,584'.<br>Black water<br>at 2,360'.<br>Gas at 2,722'–<br>2,729'. I. O. F.<br>2,166 Mcf.<br>I. R. P. 905<br>Lbs.<br>Deepened in<br>1930. | Clinton at<br>2,595'–2,615'.<br>Black water<br>at 2,400'.<br>D. & A. | Clinton at<br>2,668'–2,680'.<br>Black water<br>at 2,475'.<br>D. & A. |

| CHAUTAUQUA   | CHAUTAUQUA  | CHAUTAUQUA                              | CHAUTAUQUA                 | CHAUTAUQUA   |
|--|---|---|----------------------------|--|
| Cherry Creek   | Cherry Creek  | Cherry Creek                            | Cherry Creek               | Cherry Creek   |
| 26   | 27  | 28                                      | 29                         | 30   |
| B. Whipple   | A. Keyes<br>No. 1   | B. Towne<br>No. 1                       | E. Stone<br>No. 1          | Howard No. 1   |
|  |   |   |                            | Reservation<br>Gas Co.   |
| Sheridan   | Hanover   | Hanover                                 | Hanover                    | Hanover  |
| 7,550' North<br>of 42° 25'   | 400' South<br>of 42° 30'  | 900' South<br>of 42° 30'                | 1,100' South<br>of 42° 30' | 1,700' South<br>of 42° 30'   |
| 8,750' West<br>of 79° 10'  | 2,700' West<br>of 79° 10'   | 8,600' East<br>of 79° 10'               | 9,700' West<br>of 79° 05'  | 300' West<br>of 79° 05'  |
| 8/15/14  | 9/18/10   | 4/4/31                                  |                            | 11/30/27   |
| 1,055'   | 770' Topo.  | 880'                                    | 900' Topo.                 | 940' Topo.   |
|  |   |   |                            |  |
| 1,500'–1,725'  | 1,028'–1,252'   | 1,176'–1,392'                           |                            | 1,318'–1,508'  |
|  |   |   |                            |  |
|  |   |   |                            |  |
| 2,150'–2,349'  | 1,786'–1,869'   | 1,837'–2,050'                           |                            | 1,976'–2,158'  |
| 2,442'–2,585'  | 2,011'–2,129'   | 2,165'–2,279'                           |                            | 2,276'–2,376'  |
| 2,585'–2,599'  | 2,129'–2,147'   | 2,279'–2,288'                           |                            | 2,376'–2,391'  |
| 2,599' –   | 2,147' –  | 2,288' –                                |                            | 2,391' –   |
|  |   |   |                            |  |
|  |   |   |                            |  |
|  |   |   |                            |  |
|  |   |   |                            |  |
| 2,617'   | 2,206'  | 2,290'                                  |                            | 2,407'   |
| Queenston  | Queenston   | Queenston                               |                            | Queenston  |
| Clinton at<br>2,427'–2,442'.<br>Black water<br>at 2,250'.<br>D. & A. | Clinton at<br>1,975'–2,011'.<br>Black water<br>at 1,786'.<br>Gas at 2,133'.<br>I. O. F. 45 Mcf.<br>Abd.—1917. | Clinton at<br>2,128'–2,165'.<br>D. & A. |                            | Clinton at<br>2,251'–2,276'.<br>Show gas in<br>Medina.<br>(29 Mcf.). |



| COUNTY         |                                | CHAUTAUQUA  | CHAUTAUQUA                   | CHAUTAUQUA  | CHAUTAUQUA   |
|----------------|--------------------------------|---|------------------------------|---|--|
| QUADRANGLE     |                                | Cherry Creek  | Cherry Creek                 | Cherry Creek  | Cherry Creek   |
| MAP NUMBER     |                                | 31  | 32                           | 33  | 34   |
| NAME OF WELL   |                                | N. Wilson<br>No. 1  | E. Gage<br>No. 1             | H. Dickenson<br>No. 1   | A. Dye<br>No. 1  |
| OPERATOR       |                                |   | Reservation<br>Gas Co.       | Reservation<br>Gas Co.  |  |
| TOWNSHIP       |                                | Hanover   | Hanover                      | Hanover   | Hanover  |
| LATITUDE       |                                | 3,500' South<br>of 42° 30'  | 4,400' South<br>of 42° 30'   | 5,700' South<br>of 42° 30'  | 10,100' South<br>of 42° 30'  |
| LONGITUDE      |                                | 4,000' East<br>of 79° 10'   | 8,550' West<br>of 79° 05'    | 5,600' West<br>of 79° 05'   | 8,500' East<br>of 79° 10'  |
| DATE COMPLETED |                                | 9/21/40   | 9/11/28                      | 2/13/28   | 7/27/16  |
| ELEVATION      |                                | 950' Topo.  | 1,065' Topo.                 | 1,120'  | 1,170' Topo.   |
| TULLY          |                                |   |                              |   |  |
| ONONDAGA       |                                | 1,113'-1,353'   | 1,449'-1,654'                | 1,500'-1,700'   | 1,555'-1,765'  |
| ORISKANY       |                                | N. P.   |                              |   |  |
| SALT ZONE      |                                |   |                              |   |  |
| LOCKPORT       |                                | 1,806'-2,018'   | 2,090'-2,313'                | 2,165'-2,370'   | 2,255'-2,465'  |
| MEDINAN        | RED<br>MEDINA<br>(GRIMSBY)     | 2,123'-2,229'   | 2,417'-2,521'                | 2,489'-2,580'   | 2,576'-2,662'  |
|                | WHITE<br>MEDINA<br>(WHIRLPOOL) | 2,229'-2,244'   | 2,521'-2,541'                | 2,580'-2,590'   | 2,662'-2,697'  |
| QUEENSTON      |                                | 2,244' —  | 2,541' —                     | 2,590' —  | 2,697' —   |
| OSWEGO         |                                |   |                              |   |  |
| TRENTON        |                                |   |                              |   |  |
| POTSDAM        |                                |   |                              |   |  |
| PRECAMBRIAN    |                                |   |                              |   |  |
| TOTAL DEPTH    |                                | 2,249'  | 2,557'                       | 2,614'  | 2,708'   |
| DEEPEST FM.    |                                | Queenston   | Queenston                    | Queenston   | Queenston  |
| REMARKS        |                                | Clinton at<br>2,083'-2,123'.<br>Black water<br>at 1,894'.<br>S. W. at 100'.<br>Show gas at<br>1,047' & 2,180'.<br>D. & A.<br>** | Clinton at<br>2,380'-2,417'. | Clinton at<br>2,456'-2,484'.<br>Gas in Medina.<br>I. O. F. 134<br>Mcf. I. R. P.<br>725 Lbs. | Clinton at<br>2,539'-2,576'.<br>Show of gas<br>at 2,576'.<br>D. & A. |



| CHAUTAUQUA                              | CHAUTAUQUA                              | CHAUTAUQUA                   | CHAUTAUQUA                  | CHAUTAUQUA   |
|---|---|------------------------------|-----------------------------|--|
| Cherry Creek                            | Cherry Creek                            | Cherry Creek                 | Cherry Creek                | Cherry Creek   |
| 35                                      | 36                                      | 37                           | 38                          | 39   |
| T. Waterman                             | J. O. Hurlbert                          | E. Cross<br>No. 1            | F. Bradigan<br>No. 1        | N. Koch  |
|   | Reservation<br>Gas Co.                  | Reservation<br>Gas Co.       |                             |  |
| Hanover                                 | Hanover                                 | Hanover                      | Hanover                     | Hanover  |
| 7,500' South<br>of 42° 30'              | 9,100' South<br>of 42° 30'              | 8,400' South<br>of 42° 30'   | 11,200' North<br>of 42° 25' | 13,750' North<br>of 42° 25'  |
| 9,400' West<br>of 79° 05'               | 5,100' West<br>of 79° 05'               | 1,300' East<br>of 79° 05'    | 2,700' West<br>of 79° 10'   | 350' West<br>of 79° 10'  |
| 1918                                    | 6/14/28                                 | 9/18/28                      |                             | 8/7/25   |
| 1,120'                                  | 1,095' Topo.                            | 1,095' Topo.                 | 1,225' Topo.                | 1,170'   |
|   |   |                              |                             |  |
| 1,502'–1,705'                           | 1,623'–1,830'                           | 1,525'–1,735'                |                             | 1,645'–1,865'  |
|   |   |                              |                             |  |
|   |   |                              |                             |  |
| 2,115'–2,376'                           | 2,265'–2,479'                           | 2,200'–2,387'                |                             | 2,325'–2,525'  |
| 2,496'–2,605'                           | 2,592'–2,710'                           | 2,474'–2,594'                |                             | 2,605'–2,749'  |
|   |   |                              |                             |  |
| 2,605'–2,616'                           | 2,710'–2,727'                           | 2,594'–2,607'                |                             | 2,749'–2,755'  |
| 2,616' –                                | 2,727' –                                | 2,607' –                     |                             | 2,762' –   |
|   |   |                              |                             |  |
|   |   |                              |                             |  |
|   |   |                              |                             |  |
|   |   |                              |                             |  |
| 2,626'                                  | 2,754'                                  | 2,624'                       |                             | 2,769'   |
| Queenston                               | Queenston                               | Queenston                    |                             | Queenston  |
| Clinton at<br>2,456'–2,496'.<br>D. & A. | Clinton at<br>2,560'–2,592'.<br>D. & A. | Clinton at<br>2,447'–2,474'. | D. & A.                     | Clinton at<br>2,587'–2,605'.<br>Black water<br>at 2,410'.<br>Show gas at<br>2,657'.<br>D. & A. |

| COUNTY         |                          | CHAUTAUQUA   | CHAUTAUQUA  | CHAUTAUQUA  | CHAUTAUQUA   |
|----------------|--------------------------|--|---|---|--|
| QUADRANGLE     |                          | Cherry Creek   | Cherry Creek  | Cherry Creek  | Cherry Creek   |
| MAP NUMBER     |                          | 40   | 41  | 42  | 43   |
| NAME OF WELL   |                          | A. Henshaw   | R. Waxham No. 2   | Ball Est. No. 1   | S. Hurlbert No. 1  |
| OPERATOR       |                          |  | Reservation Gas Co.   | Reservation Gas Co.   | Reservation Gas Co.  |
| TOWNSHIP       |                          | Hanover  | Hanover   | Hanover   | Hanover  |
| LATITUDE       |                          | 17,600' South of 42° 30'                                 | 12,800' South of 42° 30'  | 13,500' South of 42° 30'  | 15,000' North of 42° 25'   |
| LONGITUDE      |                          | 11,500' East of 79° 10'                                  | 2,400' East of 79° 05'  | 5,500' East of 79° 05'  | 1,200' East of 79° 05'   |
| DATE COMPLETED |                          | 6/14/26  | 8/27/30   | 10/22/29  | 1929   |
| ELEVATION      |                          | 1,395' Topo.   | 1,215'  | 1,200' Topo.  | 1,285' Topo.   |
| TULLY          |                          |  |   |   |  |
| ONONDAGA       |                          | 1,890'-2,112'  | 1,682'-1,872'   | 1,735'-1,920'   | 1,800'-2,000'  |
| ORISKANY       |                          |  |   |   |  |
| SALT ZONE      |                          |  |   |   |  |
| LOCKPORT       |                          | 2,520'-2,770'  | 2,322'-2,542'   | 2,375'-2,587'   | 2,420'-2,670'  |
| MEDINAN        | RED MEDINA (GRIMSBY)     | 2,894'-3,008'  | 2,633'-2,744'   | 2,687'-2,790'   | 2,775'-2,886'  |
|                | WHITE MEDINA (WHIRLPOOL) | 3,008'-3,020'  | 2,744'-2,763'   | 2,790'-2,810'   | 2,886'-2,906'  |
| QUEENSTON      |                          | 3,025'—  | 2,763'—   | 2,810'—   | 2,906'—  |
| OSWEGO         |                          |  |   |   |  |
| TRENTON        |                          |  |   |   |  |
| POTSDAM        |                          |  |   |   |  |
| PRECAMBRIAN    |                          |  |   |   |  |
| TOTAL DEPTH    |                          | 3,030'   | 2,775'  | 2,910'  | 2,911'   |
| DEEPEST FM.    |                          | Queenston  | Queenston   | Queenston   | Queenston  |
| REMARKS        |                          | Clinton at 2,860'-2,894'. Black water at 2,632'. D. & A. | Clinton at 2,601'. Show gas at 1,682', 2,601', 2,633' and 2,744'. P. & A. | Clinton at 2,647'-2,687'. Show of gas in Medina. I. O. F. 12 Mcf. I. R. P. 940 Lbs. | Clinton at 2,750'-2,775'. Black water at 2,560'. Show gas at 2,765'. D. & A. |

| CHAUTAUQUA  | CHAUTAUQUA   | CHAUTAUQUA   | CHAUTAUQUA  | CHAUTAUQUA                              |
|---|--|--|---|---|
| Cherry Creek  | Cherry Creek   | Cherry Creek   | Cherry Creek  | Cherry Creek                            |
| 44  | 45   | 46   | 47  | 48                                      |
| J. Remington<br>No. 1   | A. Hier<br>No. 1   | C. Libby<br>No. 2  | N. Arnold<br>No. 1  | E. Butcher<br>No. 1                     |
| Reservation<br>Gas Co.  | Reservation<br>Gas Co.   | Reservation<br>Gas Co.   | Reservation<br>Gas Co.  | W. B. Frost<br>& Co.                    |
| Hanover   | Hanover  | Hanover  | Hanover   | Hanover                                 |
| 12,800' North<br>of 42° 25'   | 10,200' North<br>of 42° 25'  | 9,800' North<br>of 42° 25'   | 19,800' South<br>of 42° 30'   | 22,500' South<br>of 42° 30'             |
| 4,400' East<br>of 79° 05'   | 1,800' West<br>of 79° 05'  | 2,300' East<br>of 79° 05'  | 5,700' East<br>of 79° 05'   | 1,900' West<br>of 79° 05'               |
| 7/2/30  | 12/20/27   | 5/13/30  | 8/2/30  | 9/30/30                                 |
| 1,350' Topo.  | 1,380' Topo.   | 1,400' Topo.   | 1,370' Topo.  | 1,350'                                  |
|   |  |  |   |   |
| 1,905'-2,104'   | 1,920'-2,137'  | 2,030'-2,240'  | 1,984'-2,174'   | 1,915'-2,135'                           |
|   |  |  |   |   |
|   |  |  |   |   |
| 2,567'-2,798'   | 2,590'-2,820'  | 2,685'-2,912'  | 2,720'-2,863'   | 2,580'-2,825'                           |
| 2,907'-2,977'   | 2,918'-3,031'  | 3,019'-3,122'  | 2,966'-3,046'   | 2,930'-3,044'                           |
|   |  |  |   |   |
| 2,987'-3,006'   | 3,031'-3,049'  | 3,122'-3,141'  | 3,062'-3,081'   | 3,044'-3,062'                           |
| 3,006'—   | 3,049'—  | 3,141'—  | 3,081'—   | 3,062'—                                 |
|   |  |  |   |   |
|   |  |  |   |   |
|   |  |  |   |   |
|   |  |  |   |   |
| 3,106'  | 3,051'   | 3,242'   | 3,181'  | 3,066'                                  |
| Queenston   | Queenston  | Queenston  | Queenston   | Queenston                               |
| Clinton at<br>2,865'-2,907'.<br>Gas at<br>2,993'-2,997'.<br>I. O. F. 900<br>Mcf. I. R. P.<br>740 Lbs. | Clinton at<br>2,890'-2,918'.<br>Black water<br>at 2,695'.<br>D. & A. | Clinton at<br>2,999'-3,019'.<br>Gas at<br>3,124'-3,134'.<br>I. O. F. 1.6<br>Mcf. I. R. P.<br>840 Lbs.<br>P. & A. | Clinton at<br>2,923'-2,966'.<br>Gas at<br>3,069'-3,077'.<br>I. O. F. 2.25<br>Mcf. I. R. P.<br>740 Lbs.<br>P. & A. | Clinton at<br>2,908'-2,930'.<br>D. & A. |

| COUNTY         |                                | CHAUTAUQUA  | CHAUTAUQUA  | CHAUTAUQUA  | CHAUTAUQUA                 |
|----------------|--------------------------------|---|---|---|----------------------------|
| QUADRANGLE     |                                | Cherry Creek  | Cherry Creek  | Cherry Creek  | Cherry Creek               |
| MAP NUMBER     |                                | 49  | 50  | 51  | 52                         |
| NAME OF WELL   |                                | E. Thies<br>No. 2   | H. Tilly<br>No. 3   | C. Beebe<br>No. 1   | Sobezak<br>No. 1           |
| OPERATOR       |                                |   |   |   | Republic                   |
| TOWNSHIP       |                                | Arkwright   | Arkwright   | Arkwright   | Arkwright                  |
| LATITUDE       |                                | 2,100' North<br>of 42° 25'  | 2,700' North<br>of 42° 25'  | 5,100' North<br>of 42° 25'  | 6,400' North<br>of 42° 25' |
| LONGITUDE      |                                | 1,500' East<br>of 79° 15'   | 5,900' East<br>of 79° 15'   | 13,100' East<br>of 79° 15'  | 3,800' West<br>of 79° 10'  |
| DATE COMPLETED |                                | 1/12/24   | 1923  | 1/20/10   | 7/ /42                     |
| ELEVATION      |                                | 1,645' Topo.  | 1,500' Topo.  | 1,095' Topo.  | 1,250'                     |
| TULLY          |                                |   |   |   |                            |
| ONONDAGA       |                                | 2,044'-2,254'   | 1,955'-2,175'   |   | 1,682'—                    |
| ORISKANY       |                                |   |   |   | N. P.                      |
| SALT ZONE      |                                |   |   |   |                            |
| LOCKPORT       |                                | 2,672'-2,772'   | 2,615'-2,850'   |   | 2,453'—                    |
| MEDINAN        | RED<br>MEDINA<br>(GRIMSBY)     | 3,022'-3,160'   | 2,917'-3,059'   | 2,504'-2,638'   | 2,705'-2,849'              |
|                | WHITE<br>MEDINA<br>(WHIRLPOOL) | 3,160'-3,175'   | 3,059'—   | 2,638'-2,654'   | 2,849'-2,860'              |
| QUEENSTON      |                                | 3,175'—   |   | 2,654'—   | 2,860'—                    |
| OSWEGO         |                                |   |   |   |                            |
| TRENTON        |                                |   |   |   |                            |
| POTSDAM        |                                |   |   |   |                            |
| PRECAMBRIAN    |                                |   |   |   |                            |
| TOTAL DEPTH    |                                | 3,179'  | 3,077'  | 2,705'  | 2,883'                     |
| DEEPEST FM.    |                                | Queenston   | Queenston   | Queenston   | Queenston                  |
| REMARKS        |                                | Clinton at<br>3,004'-3,022'.<br>Black water<br>at 2,792'.<br>Show gas at<br>3,164'. | Gas at<br>3,066'-3,074'.<br>I. O. F. 4,000<br>Mcf. I. R. P.<br>440 Lbs. | Clinton at<br>2,489'-2,504'.<br>Black water<br>at 2,270'.<br>Gas at<br>2,564'-2,659'.<br>I. O. F. 212<br>Mcf. | Dry.<br>D. & A.            |



| CHAUTAUQUA  | CHAUTAUQUA   | CHAUTAUQUA   | CHAUTAUQUA  | CHAUTAUQUA                 |
|---|--|--|---|----------------------------|
| Cherry Creek  | Cherry Creek   | Cherry Creek   | Cherry Creek  | Cherry Creek               |
| 53  | 54   | 55   | 56  | 57                         |
| Beebe<br>No. 1  | Lucykiowiak  | F. Smith<br>No. 1  | H. Chase<br>No. 1                                     | M. Gage<br>No. 1           |
| Republic  |  |  |   | Republic                   |
| Arkwright   | Arkwright  | Arkwright  | Arkwright   | Villanova                  |
| 3,000' North<br>of 42° 25'  | 600' North<br>of 42° 25'                                       | 11,200' South<br>of 42° 25'  | 8,500' North<br>of 42° 20'                            | 6,550' North<br>of 42° 25' |
| 10,600' West<br>of 79° 10'  | 10,100' East<br>of 79° 15'                                     | 5,600' East<br>of 79° 15'  | 11,100' East<br>of 79° 15'                            | 9,400' East<br>of 79° 10'  |
| 1922  | 11/14/28   | 8/27/27  |   | 1930                       |
| 1,130'  | 1,180' Topo.   | 1,775' Topo.   | 1,550'  | 1,650'                     |
|   |  |  |   |                            |
| 1,656'-1,867'   | 1,735'-1,945'  | 2,365'-2,590'  | 2,240' —  | 2,084' —                   |
| N. P.   |  |  |   | N. P.                      |
|   |  |  |   |                            |
| 2,310' —  | 2,405'-2,612'  | 2,950'-3,263'  | 2,977'-3,066'   | 2,769'-3,003'              |
| 2,623'-2,760'   | 2,689'-2,828'  | 3,354'-3,488'  |   | 3,083' —                   |
|   |  |  |   |                            |
| 2,760'-2,776'   | 2,828'-2,848'  | 3,488'-3,510'  |   |                            |
| 2,776' —  | 2,848' —   | 3,510' —   |   | 3,222' —                   |
|   |  |  |   |                            |
|   |  |  |   |                            |
|   |  |  |   |                            |
|   |  |  |   |                            |
| 2,783'  | 2,855'   | 3,515'   | 3,410'  | 3,226'                     |
| Queenston   | Queenston  | Queenston  | Medina  | Queenston                  |
| Gas at<br>2,762'-2,772'.<br>I. O. F. 1,620<br>Mcf. I. R. P.<br>750 Lbs. | Black water<br>at 2,480'.<br>Show gas at<br>2,734'.<br>D. & A. | Clinton at<br>3,330'-3,354'.<br>Black water<br>at 3,140'.<br>D. & A. | S. W. at<br>2,440'. Show<br>gas in Medina.<br>P. & A. |                            |

| COUNTY         |                                | CHAUTAUQUA                 | CHAUTAUQUA                 | CHAUTAUQUA                 | CHAUTAUQUA   |
|----------------|--------------------------------|----------------------------|----------------------------|----------------------------|--|
| QUADRANGLE     |                                | Cherry Creek               | Cherry Creek               | Cherry Creek               | Cherry Creek   |
| MAP NUMBER     |                                | 58                         | 59                         | 60                         | 61   |
| NAME OF WELL   |                                | Dubbert                    | M. Ball<br>No. 1           | L. Black                   | A. Wright<br>No. 1   |
| OPERATOR       |                                |                            |                            |                            |  |
| TOWNSHIP       |                                | Villanova                  | Villanova                  | Villanova                  | Villanova  |
| LATITUDE       |                                | 4,200' North<br>of 42° 25' | 6,600' North<br>of 42° 25' | 1,550' North<br>of 42° 25' | 100' South<br>of 42° 25'   |
| LONGITUDE      |                                | 3,200' West<br>of 79° 05'  | 5,300' East<br>of 79° 05'  | 950' East<br>of 79° 10'    | 8,400' East<br>of 79° 10'  |
| DATE COMPLETED |                                |                            |                            |                            | 4/17/30  |
| ELEVATION      |                                | 1,327'                     | 1,413'                     | 1,545'                     | 1,620' Topo.   |
| TULLY          |                                |                            |                            |                            |  |
| ONONDAGA       |                                | 1,898'-2,108'              | 2,013'-2,203'              |                            | 2,215'-2,432'  |
| ORISKANY       |                                |                            |                            |                            |  |
| SALT ZONE      |                                |                            |                            |                            |  |
| LOCKPORT       |                                |                            |                            | 2,710'-2,945'              | 2,872'-3,105'  |
| MEDINAN        | RED<br>MEDINA<br>(GRIMSBY)     | 2,876'-3,002'              | 2,998'-3,090'              | 3,035'—                    | 3,185'-3,317'  |
|                | WHITE<br>MEDINA<br>(WHIRLPOOL) | 3,002'—                    | 3,090'—                    |                            | 3,317'-3,332'  |
| QUEENSTON      |                                |                            |                            |                            | 3,332'—  |
| OSWEGO         |                                |                            |                            |                            |  |
| TRENTON        |                                |                            |                            |                            |  |
| POTSDAM        |                                |                            |                            |                            |  |
| PRECAMBRIAN    |                                |                            |                            |                            |  |
| TOTAL DEPTH    |                                | 3,017'                     | 3,110'                     | 3,207'                     | 3,335'   |
| DEEPEST FM.    |                                | Queenston                  | Queenston                  | Queenston                  | Queenston  |
| REMARKS        |                                |                            | D. & A.                    |                            | Clinton at<br>3,167'-3,185'.<br>Black water<br>at 2,987'.<br>Show gas at<br>3,235'.<br>D. & A. |

| CHAUTAUQUA                  | CHAUTAUQUA  | CHAUTAUQUA                 | CHAUTAUQUA                 | CHAUTAUQUA                  |
|-----------------------------|---|----------------------------|----------------------------|-----------------------------|
| Cherry Creek                | Cherry Creek  | Cherry Creek               | Cherry Creek               | Cherry Creek                |
| 62                          | 63  | 64                         | 65                         | 66                          |
| H. Perkins                  | H. Gear   | Cabazoski                  | Wood<br>No. 1              | Heath<br>No. 1              |
| Finance Co.                 |   |                            |                            |                             |
| Villanova                   | Villanova   | Villanova                  | Villanova                  | Villanova                   |
| 13,000' North<br>of 42° 25' | 1,350' South<br>of 42° 25'  | 3,800' South<br>of 42° 25' | 2,900' South<br>of 42° 25' | 13,800' South<br>of 42° 25' |
| 3,100' East<br>of 79° 05'   | 11,050' East<br>of 79° 10'  | 8,900' East<br>of 79° 10'  | 4,700' East<br>of 79° 05'  | 3,100' West<br>of 79° 05'   |
|                             | 1930  |                            |                            |                             |
| 1,600' Topo.                | 1,720'  | 1,550'                     | 1,665' Topo.               | 1,312'                      |
|                             |   |                            |                            |                             |
| 2,190'-2,400'               | 2,315'-2,495'   | 2,289'-2,504'              | 2,240'-2,450'              | 2,187' —                    |
|                             |   |                            |                            |                             |
|                             |   |                            |                            |                             |
|                             | 2,920'-3,184'   | 2,910' —                   |                            |                             |
| 3,284'-3,400'               | 3,270'-3,400'   |                            | 3,325'-3,447'              | 3,019'-3,143'               |
| 3,400'-3,423'               | 3,400'-3,414'   |                            | 3,447' —                   | 3,143' —                    |
| 3,423' —                    | 3,414' —  |                            |                            |                             |
|                             |   |                            |                            |                             |
|                             |   |                            |                            |                             |
|                             |   |                            |                            |                             |
|                             |   |                            |                            |                             |
| 3,423'                      | 3,417'  |                            | 3,467'                     | 3,143'                      |
| Queenston                   | Queenston   |                            | Queenston                  | Medina                      |
| D. & A.                     | Gas at<br>3,330'-3,335'.<br>I. O. F. 260<br>Mcf. I. R. P.<br>655 Lbs. |                            | D. & A.                    | D. & A.                     |

| COUNTY         |                                | CHAUTAUQUA                  | CHAUTAUQUA                                  | CHAUTAUQUA                 | CHAUTAUQUA                  |
|----------------|--------------------------------|-----------------------------|---|----------------------------|-----------------------------|
| QUADRANGLE     |                                | Cherry Creek                | Cherry Creek                                | Cherry Creek               | Cherry Creek                |
| MAP NUMBER     |                                | 67                          | 68  | 69                         | 70                          |
| NAME OF WELL   |                                | Tawner<br>No. 1             | Phillips<br>No. 1                           |                            | T. Darling<br>No. 1         |
| OPERATOR       |                                | Fancher                     | F. L. Dougherty                             |                            |                             |
| TOWNSHIP       |                                | Villanova                   | Villanova                                   | Charlotte                  | Charlotte                   |
| LATITUDE       |                                | 16,600' North<br>of 42° 20' | 13,200' North<br>of 42° 20'                 | 6,750' South<br>of 42° 20' | 11,950' South<br>of 42° 20' |
| LONGITUDE      |                                | 1,950' West<br>of 79° 05'   | 2,000' East<br>of 79° 05'                   | 5,500' East<br>of 79° 15'  | 5,800' East<br>of 79° 15'   |
| DATE COMPLETED |                                |                             | 6/ /31                                      |                            |                             |
| ELEVATION      |                                | 1,330'                      | 1,310'                                      | 1,600' Topo.               | 1,635' Topo.                |
| TULLY          |                                |                             |   |                            |                             |
| ONONDAGA       |                                | 1,954'—                     | 1,985'—2,177'                               |                            |                             |
| ORISKANY       |                                | N. P.                       | N. P.                                       |                            |                             |
| SALT ZONE      |                                |                             |   |                            |                             |
| LOCKPORT       |                                | 2,657'—2,929'               | 2,630'—2,860'                               |                            |                             |
| MEDINAN        | RED<br>MEDINA<br>(GRIMSBY)     | 3,003'—                     | 3,070'—3,165'                               |                            |                             |
|                | WHITE<br>MEDINA<br>(WHIRLPOOL) |                             | 3,165'—3,208'                               |                            |                             |
| QUEENSTON      |                                | 3,125'—                     | 3,208'—                                     |                            |                             |
| OSWEGO         |                                |                             |   |                            |                             |
| TRENTON        |                                |                             |   |                            |                             |
| POTSDAM        |                                |                             |   |                            |                             |
| PRECAMBRIAN    |                                |                             |   |                            |                             |
| TOTAL DEPTH    |                                | 3,155'                      | 3,219'                                      |                            | 2,500'                      |
| DEEPEST FM.    |                                | Queenston                   |   |                            | Est. Onondaga               |
| REMARKS        |                                |                             | Black water<br>at 2,860'.<br>D. & A.<br>**p | D. & A.                    | Producer.                   |



| CHAUTAUQUA   | CHAUTAUQUA                  | CHAUTAUQUA  | CATTARAUGUS                | CATTARAUGUS                |
|--|-----------------------------|---|----------------------------|----------------------------|
| Cherry Creek   | Cherry Creek                | Cherry Creek  | Cherry Creek               | Cherry Creek               |
| 71   | 72                          | 73  | 74                         | 75                         |
| C. Estee   |                             | Brown Oil &<br>Gas Co.  | C. Oldham<br>No. 1         | E. Hall<br>No. 1           |
| Wyoga-<br>Schrack  |                             |   | Penn York<br>Nat. Gas Co.  |                            |
| Charlotte  | Charlotte                   | Charlotte   | Perrysburg                 | Perrysburg                 |
| 12,200' South<br>of 42° 20'  | 11,650' North<br>of 42° 15' | 11,000' North<br>of 42° 15'                                       | 1,600' South<br>of 42° 30' | 3,400' South<br>of 42° 30' |
| 5,300' West<br>of 79° 10'  | 7,800' East<br>of 79° 15'   | 10,500' West<br>of 79° 10'  | 6,000' East<br>of 79° 05'  | 11,400' West<br>of 79° 00' |
| 1936   |                             |   | 1940                       |                            |
| 2,040'   | 1,640' Topo.                | 1,726'  | 980'                       | 1,020' Topo.               |
|  |                             |   |                            |                            |
| 2,785'–3,025'  |                             |   | 1,373'–1,550'              |                            |
| Horizon 3,025'–3,029'  |                             |   |                            |                            |
|  |                             |   |                            |                            |
| 3,450'–3,855'  |                             |   | 2,017' –                   |                            |
| 3,875'–3,969'  |                             | 3,750'–3,830'   | 2,314'–2,417'              |                            |
| 3,969'–3,988'  |                             | 3,830'–3,855'   | 2,417'–2,439'              |                            |
| 3,988' –   |                             | 3,855' –  | 2,439' –                   |                            |
|  |                             |   |                            |                            |
|  |                             |   |                            |                            |
|  |                             |   |                            |                            |
| 4,030'   |                             | 3,856'  | 2,448'                     |                            |
| Queenston  |                             | Queenston   | Queenston                  |                            |
| Clinton at<br>3,855'–3,875'.<br>Show gas at<br>397', 417',<br>3,025'–3,029' &<br>3,685'.<br>** | D. & A.                     | Black water<br>at 3,600'.<br>Show gas at<br>500'–600'.<br>D. & A. | *                          |                            |

| COUNTY         |                                | CATTARAUGUS              | CATTARAUGUS                | CATTARAUGUS                | CATTARAUGUS                |
|----------------|--------------------------------|--------------------------|----------------------------|----------------------------|----------------------------|
| QUADRANGLE     |                                | Cherry Creek             | Cherry Creek               | Cherry Creek               | Cherry Creek               |
| MAP NUMBER     |                                | 76                       | 77                         | 78                         | 79                         |
| NAME OF WELL   |                                | M. Parker<br>No. 1       | T. C. Hall<br>No. 1        | W. Hall<br>No. 2           | Gabel<br>No. 1             |
| OPERATOR       |                                | Iroquois Gas<br>Corp.    |                            |                            | Iroquois Gas<br>Corp.      |
| TOWNSHIP       |                                | Perrysburg               | Perrysburg                 | Perrysburg                 | Perrysburg                 |
| LATITUDE       |                                | 100' South<br>of 42° 30' | 6,500' South<br>of 42° 30' | 7,000' South<br>of 42° 30' | 6,600' South<br>of 42° 30' |
| LONGITUDE      |                                | 300' West<br>of 79° 00'  | 9,500' East<br>of 79° 05'  | 9,400' West<br>of 79° 00'  | 2,400' West<br>of 79° 00'  |
| DATE COMPLETED |                                |                          |                            |                            |                            |
| ELEVATION      |                                | 870' Topo.               | 1,135' Topo.               | 1,100' Topo.               | 1,085' Topo.               |
| TULLY          |                                |                          |                            |                            |                            |
| ONONDAGA       |                                |                          |                            |                            |                            |
| ORISKANY       |                                |                          |                            |                            |                            |
| SALT ZONE      |                                |                          |                            |                            |                            |
| LOCKPORT       |                                |                          |                            |                            |                            |
| MEDINAN        | RED<br>MEDINA<br>(GRIMSBY)     |                          |                            |                            |                            |
|                | WHITE<br>MEDINA<br>(WHIRLPOOL) |                          |                            |                            |                            |
| QUEENSTON      |                                |                          |                            |                            |                            |
| OSWEGO         |                                |                          |                            |                            |                            |
| TRENTON        |                                |                          |                            |                            |                            |
| POTSDAM        |                                |                          |                            |                            |                            |
| PRECAMBRIAN    |                                |                          |                            |                            |                            |
| TOTAL DEPTH    |                                |                          |                            |                            |                            |
| DEEPEST FM.    |                                |                          |                            |                            |                            |
| REMARKS        |                                | D. & A.                  | D. & A.                    |                            | D. & A.                    |

| CATTARAUGUS  | CATTARAUGUS  | CATTARAUGUS  | CATTARAUGUS   | CATTARAUGUS   |
|--|--|--|---|---|
| Cherry Creek   | Cherry Creek   | Cherry Creek   | Cherry Creek  | Cherry Creek  |
| 80   | 81   | 82   | 83  | 84  |
| Stearns<br>No. 1   | A. Hooker<br>No. 1   | W. Ratzel<br>No. 1   | N. Arnold<br>No. 1  | R. Benson<br>No. 1  |
| Reservation<br>Gas Co.   | Reservation<br>Gas Co.   | Reservation<br>Gas Co.   | Reservation<br>Gas Co.  | Reservation<br>Gas Co.  |
| Perrysburg   | Perrysburg   | Perrysburg   | Perrysburg  | Perrysburg  |
| 9,300' South<br>of 42° 30'   | 9,700' South<br>of 42° 30'   | 11,700' South<br>of 42° 30'  | 13,100' South<br>of 42° 30'   | 12,800' South<br>of 42° 30'   |
| 7,900' East<br>of 79° 05'  | 7,300' West<br>of 79° 00'  | 2,700' West<br>of 79° 00'  | 8,600' East<br>of 79° 05'   | 5,200' West<br>of 79° 00'   |
| 6/4/31   | 2/24/33  | 12/11/34   | 9/18/29   | 2/24/36   |
| 1,205' Topo.   | 1,155' Topo.   | 1,180' Topo.   | 1,215' Topo.  | 1,265' Topo.  |
|  |  |  |   |   |
| 1,683'-1,868'  | 1,700'-1,880'  | 1,750'-1,925'  | 1,713'-1,895'   | 1,846'-2,020'   |
|  |  |  |   |   |
|  |  |  |   |   |
| 2,310'-2,536'  | 2,365'-2,550'  | 2,415'-2,610'  | 2,378'-2,570'   | 2,520'-2,715'   |
| 2,637'-2,731'  | 2,662'-2,757'  | 2,694'-2,792'  | 2,679'-2,778'   | 2,806'-2,900'   |
|  |  |  |   |   |
| 2,731'-2,751'  | 2,757'-2,777'  | 2,792' —   | 2,778'-2,798'   | 2,900'-2,925'   |
| 2,751' —   | 2,777' —   |  | 2,798' —  | 2,925' —  |
|  |  |  |   |   |
|  |  |  |   |   |
|  |  |  |   |   |
|  |  |  |   |   |
| 2,780'   | 2,807'   | 2,918'   | 2,898'  | 3,025'  |
| Queenston  | Queenston  | Queenston  | Queenston   | Queenston   |
| Clinton at<br>2,596'-2,637'.<br>Gas at 2,679'.<br>I. O. F. 87<br>Mcf.<br>P. & A. | Clinton at<br>2,637'-2,662'.<br>Show gas in<br>Clinton.<br>(20 Mcf.).<br>P. & A. | Clinton at<br>2,659'-2,694'.<br>Show gas in<br>Wt. Medina.<br>I. O. F. 3.2<br>Mcf. I. R. P.<br>880 Lbs.<br>P. & A. | Clinton at<br>2,637'-2,679'.<br>Show gas in<br>Medina.<br>I. O. F. 9 Mcf.<br>I. R. P. 930<br>Lbs. | Clinton at<br>2,766'-2,806'.<br>Gas in Medina.<br>I. O. F. 238<br>Mcf. I. R. P.<br>450 Lbs. |

| COUNTY         |                                | CATTARAUGUS  | CATTARAUGUS                 | CATTARAUGUS   | CATTARAUGUS                             |
|----------------|--------------------------------|--|-----------------------------|---|---|
| QUADRANGLE     |                                | Cherry Creek   | Cherry Creek                | Cherry Creek  | Cherry Creek                            |
| MAP NUMBER     |                                | 85   | 86                          | 87  | 88                                      |
| NAME OF WELL   |                                | C. Campbell  | H. Fancher<br>No. 2         | N. Arnold<br>No. 4  | F. Edwards<br>No. 1                     |
| OPERATOR       |                                | Reservation<br>Gas Co.   | Iroquois Gas<br>Corp.       | Reservation<br>Gas Co.  | Reservation<br>Gas Co.                  |
| TOWNSHIP       |                                | Perrysburg   | Perrysburg                  | Perrysburg  | Perrysburg                              |
| LATITUDE       |                                | 13,200' South<br>of 42° 30'  | 14,200' North<br>of 42° 25' | 11,600' South<br>of 42° 30'   | 14,200' North<br>of 42° 25'             |
| LONGITUDE      |                                | 500' West<br>of 79° 00'  | 7,200' East<br>of 79° 05'   | 9,700' East<br>of 79° 05'   | 7,400' West<br>of 79° 00'               |
| DATE COMPLETED |                                | 10/1/35  |                             | 1/31/30   | 7/9/36                                  |
| ELEVATION      |                                | 1,225' Topo.   | 1,225' Topo.                | 1,265' Topo.  | 1,390' Topo.                            |
| TULLY          |                                |  |                             |   |   |
| ONONDAGA       |                                | 1,760'-1,935'  |                             | 1,748'-1,927'   | 2,010'-2,188'                           |
| ORISKANY       |                                |  |                             |   |   |
| SALT ZONE      |                                |  |                             |   |   |
| LOCKPORT       |                                | 2,365'-2,614'  |                             | 2,380'-2,609'   | 2,700'-2,874'                           |
| MEDINAN        | RED<br>MEDINA<br>(GRIMSBY)     | 2,724'-2,814'  |                             | 2,714'-2,805'   | 2,978'-3,064'                           |
|                | WHITE<br>MEDINA<br>(WHIRLPOOL) | 2,814'-2,832'  |                             | 2,805'-2,832'   | 3,064'-3,088'                           |
| QUEENSTON      |                                | 2,832' —   |                             | 2,832' —  | 3,088' —                                |
| OSWEGO         |                                |  |                             |   |   |
| TRENTON        |                                |  |                             |   |   |
| POTSDAM        |                                |  |                             |   |   |
| PRECAMBRIAN    |                                |  |                             |   |   |
| TOTAL DEPTH    |                                | 2,852'   |                             | 2,932'  | 3,102'                                  |
| DEEPEST FM.    |                                | Queenston  |                             | Queenston   | Queenston                               |
| REMARKS        |                                | Clinton at<br>2,683'-2,724'.<br>Show gas in<br>Clinton.<br>(10 Mcf.).<br>P. & A. | D. & A.                     | Clinton at<br>2,669'-2,714'.<br>Gas at<br>2,809'-2,825'.<br>I. O. F. 2.3<br>Mcf. I. R. P.<br>640 Lbs. | Clinton at<br>2,933'-2,978'.<br>D. & A. |



| CATTARAUGUS   | CATTARAUGUS                             | CATTARAUGUS                 | CATTARAUGUS                | CATTARAUGUS                |
|---|---|-----------------------------|----------------------------|----------------------------|
| Cherry Creek  | Cherry Creek                            | Cherry Creek                | Cherry Creek               | Cherry Creek               |
| 89  | 90                                      | 91                          | 92                         | 93                         |
| N. Arnold<br>No. 7  | I. Grantier<br>No. 1                    | J. Keppel                   | N. Bunce<br>No. 1          | R. Hitchcock<br>No. 1      |
| Reservation<br>Gas Co.  | Reservation<br>Gas Co.                  |                             | Reservation<br>Gas Co.     | Iroquois Gas<br>Corp.      |
| Perrysburg  | Perrysburg                              | Perrysburg                  | Perrysburg                 | Perrysburg                 |
| 11,600' North<br>of 42° 25'   | 10,300' North<br>of 42° 25'             | 10,300' North<br>of 42° 25' | 7,100' North<br>of 42° 25' | 7,000' North<br>of 42° 25' |
| 8,800' East<br>of 79° 05'   | 9,000' West<br>of 79° 00'               | 100' West<br>of 79° 00'     | 7,000' East<br>of 79° 05'  | 11,400' West<br>of 79° 00' |
| 7/2/30  |   |                             |                            |                            |
| 1,425' Topo.  | 1,405' Topo.                            | 1,470' Topo.                | 1,360' Topo.               | 1,360' Topo.               |
|   |   |                             |                            |                            |
| 1,900'-2,080'   | 2,102'-2,210'                           |                             |                            |                            |
|   |   |                             |                            |                            |
|   |   |                             |                            |                            |
| 2,542'-2,764'   | 2,710'-2,880'                           |                             |                            |                            |
| 2,872'-2,967'   | 2,990'-3,081'                           |                             |                            |                            |
|   |   |                             |                            |                            |
| 2,967'-2,988'   | 3,081'-3,107'                           |                             |                            |                            |
| 2,988'—   | 3,107'—                                 |                             |                            |                            |
|   |   |                             |                            |                            |
|   |   |                             |                            |                            |
|   |   |                             |                            |                            |
|   |   |                             |                            |                            |
| 3,000'  | 3,131'                                  |                             |                            |                            |
| Queenston   | Queenston                               |                             |                            |                            |
| Clinton at<br>2,827'-2,872'.<br>S. W. at 2,090'.<br>Show gas at<br>2,975'.<br>(20 Mcf.).<br>P. & A. | Clinton at<br>2,945'-2,990'.<br>D. & A. |                             |                            |                            |

| COUNTY         |                                | CATTARAUGUS                | CATTARAUGUS                | CATTARAUGUS                                | CATTARAUGUS   |
|----------------|--------------------------------|----------------------------|----------------------------|--|---|
| QUADRANGLE     |                                | Cherry Creek               | Cherry Creek               | Cherry Creek                               | Cherry Creek  |
| MAP NUMBER     |                                | 94                         | 95                         | 96   | 97  |
| NAME OF WELL   |                                | F. Nenno<br>No. 2          | Jolls                      | C. Sutter<br>No. 1                         | W. Hills<br>No. 1   |
| OPERATOR       |                                |                            |                            |  | Hanley &<br>Bird  |
| TOWNSHIP       |                                | Perrysburg                 | Dayton                     | Dayton                                     | Dayton  |
| LATITUDE       |                                | 6,700' North<br>of 42° 25' | 6,600' North<br>of 42° 25' | 10,800' South<br>of 42° 25'                | 10,200' South<br>of 42° 25'   |
| LONGITUDE      |                                | 4,700' West<br>of 79° 00'  | 5,300' East<br>of 79° 05'  | 10,800' West<br>of 79° 00'                 | 1,300' West<br>of 79° 00'   |
| DATE COMPLETED |                                |                            |                            | 4/8/41                                     | 12/5/40   |
| ELEVATION      |                                | 1,525' Topo.               | 1,361'                     | 1,415'                                     | 1,305' Topo.  |
| TULLY          |                                |                            |                            | 1,775' —                                   |   |
| ONONDAGA       |                                |                            | 1,958'—2,166'              | 2,035' —                                   | —2,201'   |
| ORISKANY       |                                |                            |                            | N. P.                                      |   |
| SALT ZONE      |                                |                            | 2,650' —                   | 2,678'—2,707'                              | 2,619'—2,650'   |
| LOCKPORT       |                                |                            |                            | 2,814'—3,046'                              | 2,810'—2,984'   |
| MEDINA         | RED<br>MEDINA<br>(GRIMSBY)     |                            | 2,194'—3,054'              | 3,182'—3,279'                              | 3,116'—3,208'   |
|                | WHITE<br>MEDINA<br>(WHIRLPOOL) |                            | 3,054' —                   | 3,279'—3,300'                              | 3,208'—3,227'   |
| QUEENSTON      |                                |                            |                            | 3,300' —                                   | 3,227' —  |
| OSWEGO         |                                |                            |                            |  |   |
| TRENTON        |                                |                            |                            |  |   |
| POTSDAM        |                                |                            |                            |  |   |
| PRECAMBRIAN    |                                |                            |                            |  |   |
| TOTAL DEPTH    |                                |                            | 3,075'                     |  | 3,326'  |
| DEEPEST FM.    |                                |                            | Queenston                  | Queenston                                  | Queenston   |
| REMARKS        |                                |                            |                            | Show gas at<br>3,284' & 3,289'.<br>D. & A. | Clinton at<br>3,083'—3,116'.<br>Black water<br>at 2,842'.<br>S. W. at 968'.<br>Show gas at<br>900' & 968'.<br>D. & A. |

| CATTARAUGUS                 | CATTARAUGUS  | CATTARAUGUS  | CATTARAUGUS                 | CATTARAUGUS   |
|-----------------------------|--|--|-----------------------------|---|
| Cherry Creek                | Cherry Creek   | Cherry Creek   | Cherry Creek                | Cherry Creek  |
| 98                          | 99   | 100  | 101                         | 102   |
| J. Garvey<br>No. 1          | G. Franklin<br>No. 1   | C. Greely<br>No. 1   | M. Ridout<br>No. 1          | P. Curtiss<br>No. 1   |
| B. Q. D. C.                 | B. Q. D. C.  | B. Q. D. C.  | B. Q. D. C.                 | B. Q. D. C.   |
| Leon                        | Leon   | Leon   | Leon                        | Leon  |
| 10,350' South<br>of 42° 20' | 15,000' North<br>of 42° 15'  | 15,100' North<br>of 42° 15'  | 13,700' North<br>of 42° 15' | 14,300' North<br>of 42° 15'   |
| 2,700' West<br>of 79° 00'   | 6,600' West<br>of 79° 00'  | 2,550' West<br>of 79° 00'  | 7,250' West<br>of 79° 00'   | 4,700' West<br>of 79° 00'   |
| 5/3/35                      | 8/28/36  | 5/30/33  | 2/27/37                     | 1/27/36   |
| 1,641'                      | 1,522'   | 1,355'   | 1,591'                      | 1,345'  |
|                             |  |  |                             |   |
| 2,584'-2,764'               | 2,480'-2,669'  | 2,330'-2,510'  | 2,574'—                     | 3,212'—   |
| N. P.                       | N. P.  | 2,510'-2,520'  |                             |   |
|                             |  |  |                             |   |
| 3,312'-3,593'               | 3,214'—  | 3,120'-3,368'  | 3,306'—                     |   |
| 3,688'-3,823'               | 3,599'-3,703'  | —3,554'  | 3,674'-3,789'               | 3,431'-3,541'   |
| 3,823'-3,833'               | 3,703'—  | 3,554'—  | 3,789'-3,807'               | 3,541'—   |
| 3,833'—                     |  |  | 3,807'—                     |   |
|                             |  |  |                             |   |
|                             |  |  |                             |   |
|                             |  |  |                             |   |
|                             |  |  |                             |   |
|                             |  |  |                             |   |
| 3,858'                      | 3,716'   | 3,560'   | 3,812'                      | 3,558'  |
| Queenston                   | Queenston  | Queenston  | Queenston                   | Queenston   |
| D. & A.<br>**p              | Black water<br>at 3,309'.<br>Gas at 3,710'.<br>I. O. F. 900<br>Mcf.<br>**<br>**p | Black water<br>at 3,200'. Gas<br>at 3,553'.<br>I. O. F. 1,250<br>Mcf. I. R. P.<br>1,255 Lbs. | D. & A.<br>**               | Clinton at<br>3,420'-3,431'.<br>Gas at 3,548'.<br>I. O. F. 2,500<br>Mcf. I. R. P.<br>1,225 Lbs.<br>** |

| COUNTY         |                          | CATTARAUGUS   | CATTARAUGUS   | CATTARAUGUS  | CATTARAUGUS  |
|----------------|--------------------------|---|---|--|--|
| QUADRANGLE     |                          | Cherry Creek  | Cherry Creek  | Cherry Creek   |  |
| MAP NUMBER     |                          | 103   | 104   | 105  |  |
| NAME OF WELL   |                          | W. Marsh No. 1  | Gen. Ice Cream Co.  | Ellis No. 1  | Ellis No. 1 Cont'd.  |
| OPERATOR       |                          | B. Q. D. C.   | B. Q. D. C.   | Iroquois Gas Co.   |  |
| TOWNSHIP       |                          | Leon  | Leon  | Perrysburg   |  |
| LATITUDE       |                          | 11,400' North of 42° 15'  | 12,300' North of 42° 15'  | 16,150' South of 42° 30'   |  |
| LONGITUDE      |                          | 7,000' West of 79° 00'  | 2,400' West of 79° 00'  | 10,975' West of 79° 00'  |  |
| DATE COMPLETED |                          | 11/15/36  | 5/24/37   | 10/15/57   |  |
| ELEVATION      |                          | 1,367'  | 1,495'  | 1,328' Grd.  |  |
| TULLY          |                          |   |   |  |  |
| ONONDAGA       |                          | 2,324'-2,440'   | 2,500'-2,684'   | 1,895'-2,070'  |  |
| ORISKANY       |                          | N. P.   |   |  |  |
| SALT ZONE      |                          | 3,000'-3,040'   |   |  |  |
| LOCKPORT       |                          | 3,094'-3,416'   | 3,230'-3,500'   | 2,555'-2,754'  |  |
| MEDINA         | RED MEDINA (GRIMSBY)     | 3,482'-3,597'   | 3,599'-3,725'   | 2,862'-2,950'  |  |
|                | WHITE MEDINA (WHIRLPOOL) | 3,597'-3,614'   | 3,725'-3,740'   | 2,962'-2,980'  |  |
| QUEENSTON      |                          | 3,614' —  | 3,740' —  | 2,980'-3,925'  |  |
| OSWEGO         |                          |   |   | 3,925'-3,995'  |  |
| TRENTON        |                          |   |   | 4,825'-5,605'  |  |
| POTSDAM        |                          |   |   | 6,277' — 6,450'  |  |
| PRECAMBRIAN    |                          |   |   | 6,450' —   |  |
| TOTAL DEPTH    |                          | 3,620'  | 3,745'  | 6,528'   |  |
| DEEPEST FM.    |                          | Queenston   | Queenston   | Precambrian  |  |
| REMARKS        |                          | Clinton at 3,458'-3,482'. Black water at 3,265'. Gas at 1,270' and in Medina. I. O. F. 98 Mcf. ** | Black water at 3,378'. Show gas at 555', 645' & 2,640'. D. & A. | Tribes Hill at 5,605'-5,799'. Little Falls 5,799'-5,980'. Theresa 5,980' — 6,277'. Water at 80'. S. W. at 2,070', 5,669', 5,681', 5,830', 5,893', 6,048' & 6,075'. | Show gas at 360', 764', 2,982' & 5,632'. 100 Mcf. at 5,639'. Plugged back to Medina for storage. * (*) |



| CATTARAUGUS  | CATTARAUGU                 | CHAUTAUQUA  | CHAUTAUQUA                 | CHAUTAUQUA                 |
|--|----------------------------|---|----------------------------|----------------------------|
| Cherry Creek   | Cherry Creek               | Cherry Creek  | Dunkirk                    | Dunkirk                    |
| 106  | 107                        | 108   | 1                          | 2                          |
| C. Conger<br>No. 1   | H. B. Howard<br>No. 1      | Shadle<br>No. 1   |                            | M. Lynch                   |
| Iroquois Gas<br>Co.  |                            | Humble Oil &<br>Refining Co.  | Citizens Gas<br>& Fuel Co. |                            |
| Perrysburg   | Leon                       | Cherry Creek  | Dunkirk                    | Dunkirk                    |
| 14,550' South<br>of 42° 30'  | 2,750' South<br>of 42° 20' | 27,550' South<br>of 42° 25'   | 5,000' South<br>of 42° 30' | 3,850' South<br>of 42° 30' |
| 10,825' West<br>of 79° 00'   | 5,800' West<br>of 79° 00'  | 13,100' West<br>of 79° 05'  | 1,450' West<br>of 79° 20'  | 8,450' East<br>of 79° 20'  |
| 7/24/58  |                            | 1/11/62   | 1917                       |                            |
| 1,304' D. F.   | 1,380' Grd.                | 1,619' K. B.  | 580'                       | 630'                       |
|  |                            | 2,043' —  |                            |                            |
| 1,832'—2,008'  |                            | 2,336' —  | 825' —                     |                            |
| N. P.  |                            |   | N. P.                      |                            |
|  |                            | 2,936'—2,993'   |                            |                            |
| 2,490'—2,698'  | 3,075' —                   | 3,124'—3,267'   | 1,500'—1,700'              |                            |
| 2,789'—2,888'  | 3,376' —                   | 3,392' —  | 1,780' —                   | 1,811' —                   |
| 2,900'—2,920'  |                            | 3,417' —  | —1,908'                    |                            |
| 2,920' —   |                            | 3,562' —  | 1,908' —                   |                            |
|  |                            |   |                            |                            |
| 4,778' —   |                            | 5,429' —  |                            |                            |
|  |                            |   |                            |                            |
|  |                            |   |                            |                            |
| 5,807'   | 3,498'                     | 6,281'  | 1,927'                     | 1,957'                     |
| Theresa  | Queenston                  | Est. Tribes Hill  | Queenston                  | Queenston                  |
| Some gas at<br>300'. Sulphur<br>gas at 2,560'.<br>S. W. at 2,010',<br>5,583'—5,586',<br>5,610'—5,614',<br>5,621', 5,700'<br>& 5,738'.<br>Plugged back<br>to Medina for<br>storage. |                            | Clinton<br>3,267'—3,392'.<br>No results<br>from acidizing<br>Lockport.<br>Little S. W.<br>at 6,281'.<br>P. & A. |                            | Clinton at<br>1,788' —     |

| COUNTY         |                                | CHAUTAUQUA                                     | CHAUTAUQUA                  | CHAUTAUQUA   | CHAUTAUQUA  |
|----------------|--------------------------------|--|-----------------------------|--|---|
| QUADRANGLE     |                                | Dunkirk  | Dunkirk                     | Dunkirk  | Dunkirk   |
| MAP NUMBER     |                                | 3  | 4                           | 5  | 6   |
| NAME OF WELL   |                                | Cassefy  | Seybold<br>No. 1            | Kuehn  | J. M. Niehaus<br>No. 2  |
| OPERATOR       |                                | Frost Gas<br>Co.                               | Advance Oil<br>& Gas Co.    |  | Heintz Oil &<br>Gas Co.   |
| TOWNSHIP       |                                | Dunkirk  | Dunkirk                     | Sheridan   | Sheridan  |
| LATITUDE       |                                | 6,710' South<br>of 42° 30'                     | 15,550' North<br>of 42° 25' | 3,600' North<br>of 42° 30'   | 5,700' North<br>of 42° 30'  |
| LONGITUDE      |                                | 6,600' East<br>of 79° 20'                      | 4,850' East<br>of 79° 20'   | 10,050' West<br>of 79° 15'   | 6,400' West<br>of 79° 15'   |
| DATE COMPLETED |                                | 1908   |                             | 1910   | 9/29/49   |
| ELEVATION      |                                | 659'   | 715'                        | 630' Topo.   | 610' Topo.  |
| TULLY          |                                |  |                             |  |   |
| ONONDAGA       |                                | 930' —   | 1,010' —                    | 760'—980'  |   |
| ORISKANY       |                                | N. P.  | N. P.                       |  |   |
| SALT ZONE      |                                |  |                             |  |   |
| LOCKPORT       |                                |  | 1,680'—1,885'               |  |   |
| MEDINA         | RED<br>MEDINA<br>(GRIMSBY)     | 1,877' —                                       | —1,980'                     | 1,730'—1,854'  | 1,770'—1,868'   |
|                | WHITE<br>MEDINA<br>(WHIRLPOOL) |  | 1,980'—2,123'               | 1,854'—1,864'  | 1,888'—1,902'   |
| QUEENSTON      |                                | 2,007' —                                       | 2,123' —                    | 1,864' —   | 1,902' —  |
| OSWEGO         |                                |  |                             |  |   |
| TRENTON        |                                | 4,010' —                                       |                             |  | 3,714' —  |
| POTSDAM        |                                |  |                             |  |   |
| PRECAMBRIAN    |                                |  |                             |  |   |
| TOTAL DEPTH    |                                | 4,035'   | 2,134'                      | 1,872'   | 4,510'  |
| DEEPEST FM.    |                                | Trenton  | Queenston                   | Queenston  | Tribes Hill?  |
| REMARKS        |                                | Clinton at<br>1,817' —<br>Deepened in<br>1916? |                             | Clinton at<br>1,710'—1,730'.<br>Black water<br>at 1,520'. Gas<br>at 1,725' and<br>1,779'. I. O. F.<br>75 Mcf. I. R. P.<br>800 Lbs. | Producing 80<br>Mcf. of gas<br>at 4,430'.<br>This is below<br>Trenton and<br>believed to<br>be in Tribes<br>Hill. S. W. at<br>4,505'. |

| CHAUTAUQUA  | CHAUTAUQUA                              | CHAUTAUQUA   | CHAUTAUQUA   | CHAUTAUQUA   |
|---|---|--|--|--|
| Dunkirk   | Dunkirk                                 | Dunkirk  | Dunkirk  | Dunkirk  |
| 7   | 8                                       | 9  | 10   | 11   |
| T. Williams   | A. Smith                                | F. Werle   | Goulding   | F. Fandt   |
|   |   |  |  |  |
| Sheridan  | Sheridan                                | Sheridan   | Sheridan   | Sheridan   |
| 1,000' North<br>of 42° 30'  | 400' South<br>of 42° 30'                | 2,000' South<br>of 42° 30'   | 13,800' South<br>of 42° 30'                            | 1,500' South<br>of 42° 30'   |
| 9,000' West<br>of 79° 15'   | 800' West<br>of 79° 15'                 | 11,600' West<br>of 79° 15'   | 9,350' West<br>of 79° 15'                              | 4,500' West<br>of 79° 15'  |
| 12/26/05  | 11/1/15                                 | 1907   | 12/12/07   | 9/25/15  |
| 655' Topo.  | 695' Topo.                              | 655' Topo.   | 670' Topo.   | 680' Topo.   |
|   |   |  |  |  |
|   | 900'-1,100'                             |  | 1,035'-1,165'  | 870'-1,070'  |
|   |   |  |  |  |
|   | 1,540'-1,760'                           |  |  | 1,520'-1,750'  |
| 1,773'-1,888'   | 1,855'-1,980'                           | 1,793'-1,917'  |  | 1,824'-1,954'  |
| 1,888'-1,908'   | 1,980'-2,000'                           | 1,917'-1,925'  |  | 1,954'-1,972'  |
| 1,908' —  | 2,000' —                                | 1,925' —   |  | 1,972' —   |
|   |   |  |  |  |
|   |   |  |  |  |
|   |   |  |  |  |
|   |   |  |  |  |
| 1,916'  | 2,007'                                  | 1,935'   | 1,165'   | 1,977'   |
| Queenston   | Queenston                               | Queenston  | Onondaga   | Queenston  |
| Black water<br>at 1,565'.<br>Gas at 1,838'.<br>I. O. F. 200<br>Mcf. | Clinton at<br>1,825'-1,855'.<br>D. & A. | Black water<br>at 1,580'.<br>Gas at 1,560',<br>1,877' & 1,900'.<br>I. O. F. 200<br>Mcf. I. R. P.<br>800 Lbs. | Gas at 1,150'.<br>I. O. F. 313<br>Mcf.<br>Abd. 1/6/21. | Clinton at<br>1,792'-1,824'.<br>Show of gas<br>in Medina.<br>(16 Mcf.).<br>D. & A. |

| COUNTY         |                          | CHAUTAUQUA  | CHAUTAUQUA                       | CHAUTAUQUA                                 | CHAUTAUQUA   |
|----------------|--------------------------|---|----------------------------------|--|--|
| QUADRANGLE     |                          | Dunkirk   | Dunkirk                          | Dunkirk                                    | Dunkirk  |
| MAP NUMBER     |                          | 12  | 13                               | 14   | 15   |
| NAME OF WELL   |                          | Swavinski No. 2   | Lillay                           | Miner                                      | E. Aldrich   |
| OPERATOR       |                          |   |                                  |  |  |
| TOWNSHIP       |                          | Sheridan  | Sheridan                         | Sheridan                                   | Sheridan   |
| LATITUDE       |                          | 5,000' South of 42° 30'   | 5,000' South of 42° 30'          | 6,200' South of 42° 30'                    | 10,000' South of 42° 30'   |
| LONGITUDE      |                          | 10,750' West of 79° 15'   | 4,650' West of 79° 15'           | 50' West of 79° 15'                        | 9,900' West of 79° 15'   |
| DATE COMPLETED |                          | 1907  | 5/29/07                          | 8/11/07                                    | 11/18/16   |
| ELEVATION      |                          | 685' Topo.  | 695' Topo.                       | 740' Topo.                                 | 775' Topo.   |
| TULLY          |                          |   |                                  |  |  |
| ONONDAGA       |                          | 869'-1,093'   |                                  |  | 963'-1,188'  |
| ORISKANY       |                          |   |                                  |  |  |
| SALT ZONE      |                          |   |                                  |  |  |
| LOCKPORT       |                          | 1,808'-1,828'   |                                  |  | 1,600' —   |
| MEDINAN        | RED MEDINA (GRIMSBY)     | 1,838'-1,963'   | 1,868'-1,996'                    | 1,930'-2,058'                              | 1,912'-2,028'  |
|                | WHITE MEDINA (WHIRLPOOL) | 1,963'-1,972'   | 1,996'-2,016'                    | 2,058'-2,066'                              | 2,028'-2,047'  |
| QUEENSTON      |                          | 1,972' —  | 2,016' —                         | 2,066' —                                   | 2,047' —   |
| OSWEGO         |                          |   |                                  |  |  |
| TRENTON        |                          |   |                                  |  |  |
| POTSDAM        |                          |   |                                  |  |  |
| PRECAMBRIAN    |                          |   |                                  |  |  |
| TOTAL DEPTH    |                          | 1,989'  | 2,031'                           | 2,098'                                     | 2,113'   |
| DEEPEST FM.    |                          | Queenston   | Queenston                        | Queenston                                  | Queenston  |
| REMARKS        |                          | Black water at 1,625'. Gas in Medina. I. O. F. 100 Mcf. I. R. P. 800 Lbs. Abd. 5/25/27. | Gas at 1,928'. I. O. F. 500 Mcf. | Gas at 1,970' and 2,060'. I. O. F. 86 Mcf. | Clinton at 1,893'-1,912'. Black water at 1,695'. Gas at 1,895' and 2,034'. I. O. F. 400 Mcf. I. R. P. 800 Lbs. |



TABLE I (Cont.)

| CHAUTAUQUA   | CHAUTAUQUA   | CHAUTAUQUA   | CHAUTAUQUA  | CHAUTAUQUA   |
|--|--|--|---|--|
| Dunkirk  | Dunkirk  | Dunkirk  | Dunkirk   | Dunkirk  |
| 16   | 17   | 18   | 19  | 20   |
| C. L. Luce   | W. Scott   | Miner<br>No. 2   | Aldrich   | J. Tarbox  |
|  |  |  |   |  |
| Sheridan   | Sheridan   | Sheridan   | Sheridan  | Sheridan   |
| 10,000' South<br>of 42° 30'  | 10,800' South<br>of 42° 30'  | 9,700' South<br>of 42° 30'   | 12,400' South<br>of 42° 30'   | 11,200' South<br>of 42° 30'  |
| 7,400' West<br>of 79° 15'  | 4,050' West<br>of 79° 15'  | 500' West<br>of 79° 15'  | 11,400' West<br>of 79° 15'  | 5,900' West<br>of 79° 15'  |
| 11/12/16   | 1916   | 6/12/18  | 1916  | 2/24/16  |
| 715' Topo.   | 765' Topo.   | 785' Topo.   | 735' Topo.  | 765' Topo.   |
|  |  |  |   |  |
| 978'-1,203'  | 1,023'-1,248'  | 1,024'-1,242'  | 1,015'-1,220'   | 1,020'-1,250'  |
|  |  |  |   |  |
|  |  | 1,690'-1,900'  | 1,595' —  | 1,700'-1,900'  |
| 1,930'-2,020'  | 1,983'-2,120'  | 1,996'-2,122'  | 1,975'-2,105'   | 1,980'-2,110'  |
| 2,020'—  | 2,120'—  | 2,122'-2,137'  | 2,105'-2,121'   | 2,110'-2,130'  |
|  |  | 2,137' —   | 2,121' —  | 2,130' —   |
|  |  |  |   |  |
|  |  |  |   |  |
|  |  |  |   |  |
|  |  |  |   |  |
| 2,124'   | 2,140'   | 2,152'   | 2,127'  | 2,175'   |
| Queenston  | Queenston  | Queenston  | Queenston   | Queenston  |
| Clinton at<br>1,916'-1,930'.<br>Black water<br>at 1,740'. Gas<br>at 1,995'.<br>I. O. F. 110<br>Mcf. I. R. P.<br>680 Lbs.<br>Abd. 10/28/29. | Clinton at<br>1,958'-1,983'.<br>Black water<br>at 1,765'.<br>D. & A. | Clinton at<br>1,976'-1,996'.<br>Black water<br>at 1,770'.<br>Show gas at<br>2,130'. (33<br>Mcf.).<br>D. & A. | Clinton at<br>1,950'-1,975'.<br>Black water<br>at 1,760'.<br>Show gas at<br>1,951' & 1,977'.<br>D. & A. | Clinton at<br>1,960'-1,980'.<br>Gas at 2,000'<br>and 2,138'.<br>I. O. F. 225<br>Mcf. |

| COUNTY         |                                | CHAUTAUQUA   | CHAUTAUQUA   | CHAUTAUQUA                              | CHAUTAUQUA   |
|----------------|--------------------------------|--|--|---|--|
| QUADRANGLE     |                                | Dunkirk  | Dunkirk  | Dunkirk                                 | Dunkirk  |
| MAP NUMBER     |                                | 21   | 22   | 23                                      | 24   |
| NAME OF WELL   |                                | H. Richter<br>No. 1  | G. Button  | M. Feinen                               | J. Yonkers<br>No. 2  |
| OPERATOR       |                                | F. L. Dougherty  |  |   |  |
| TOWNSHIP       |                                | Sheridan   | Sheridan   | Sheridan                                | Sheridan   |
| LATITUDE       |                                | 13,200' South<br>of 42° 30'  | 15,500' South<br>of 42° 30'  | 14,500' South<br>of 42° 30'             | 15,600' South<br>of 42° 30'  |
| LONGITUDE      |                                | 2,000' West<br>of 79° 15'  | 11,500' West<br>of 79° 15'   | 8,000' West<br>of 79° 15'               | 2,000' West<br>of 79° 15'  |
| DATE COMPLETED |                                | 1924   | 4/25/08  | 6/16/08                                 | 1/4/25   |
| ELEVATION      |                                | 860'   | 765' Topo.   | 785' Topo.                              | 910' Topo.   |
| TULLY          |                                |  |  |   |  |
| ONONDAGA       |                                | 1,214'-1,424'  |  |   | 1,240'-1,455'  |
| ORISKANY       |                                |  |  |   |  |
| SALT ZONE      |                                |  |  |   |  |
| LOCKPORT       |                                | 1,869'-2,103'  |  |   | 1,870'-2,110'  |
| MEDINAN        | RED<br>MEDINA<br>(GRIMSBY)     | 2,191'-2,273'  | 2,009'-2,137'  | 2,037'-2,162'                           | 2,202'-2,342'  |
|                | WHITE<br>MEDINA<br>(WHIRLPOOL) | 2,273' —   | 2,137'-2,157'  | 2,162'-2,186'                           | 2,342'-2,357'  |
| QUEENSTON      |                                |  | 2,157' —   | 2,186' —                                | 2,357' —   |
| OSWEGO         |                                |  |  |   |  |
| TRENTON        |                                |  |  |   |  |
| POTSDAM        |                                |  |  |   |  |
| PRECAMBRIAN    |                                |  |  |   |  |
| TOTAL DEPTH    |                                | 2,371'   | 2,205'   | 2,186'                                  | 2,364'   |
| DEEPEST FM.    |                                | Queenston  | Queenston  | Queenston                               | Queenston  |
| REMARKS        |                                | Black water<br>at 1,950'.<br>Gas at 2,250'.<br>I. O. F. 600<br>Mcf.<br>**p | Clinton at<br>1,995'-2,009'.<br>Gas at 2,155'.<br>I. O. F. 313<br>Mcf. | Clinton at<br>1,977'-2,037'.<br>D. & A. | Clinton at<br>2,177'-2,202'.<br>Black water<br>at 1,970'. Gas<br>at 2,209' and<br>2,249'. I. O. F.<br>70 Mcf.<br>P. & A. |

| CHAUTAUQUA  | CHAUTAUQUA  | CHAUTAUQUA  | CHAUTAUQUA   | CHAUTAUQUA   |
|---|---|---|--|--|
| Dunkirk   | Dunkirk   | Dunkirk   | Dunkirk  | Dunkirk  |
| 25  | 26  | 27  | 28   | 29   |
| I. Woods  | Dillenburg<br>No. 1   | Piglowski   | Christy  | Gens<br>No. 1  |
|   |   |   |  |  |
| Sheridan  | Sheridan  | Sheridan  | Sheridan   | Sheridan   |
| 16,500' South<br>of 42° 30'   | 18,200' South<br>of 42° 30'   | 17,800' South<br>of 42° 30'   | 19,300' South<br>of 42° 30'  | 11,500' North<br>of 42° 25'  |
| 11,100' West<br>of 79° 15'  | 5,900' West<br>of 79° 15'   | 2,700' West<br>of 79° 15'   | 10,700' West<br>of 79° 15'   | 6,900' West<br>of 79° 15'  |
| 11/4/22   | 9/17/24   | 4/24/24   |  | 3/12/25  |
| 785' Topo.  | 855' Topo.  | 960' Topo.  | 830'   | 890' Topo.   |
|   |   |   |  |  |
| 1,065'-1,280'   | 1,210'-1,430'   | 1,335'-1,555'   | 1,160'-1,380'  | 1,210'-1,425'  |
|   |   |   |  |  |
|   |   |   |  |  |
| 1,750'-1,980'   | 1,880'-2,090'   | 1,990'-2,230'   | 1,790'-2,040'  | 1,870'-2,085'  |
| 2,038'-2,158'   | 2,185'-2,313'   | 2,309'-2,443'   | 2,135'-2,255'  | 2,181'-2,309'  |
| 2,158'-2,175'   | 2,313'-2,331'   | 2,443'-2,457'   | 2,255'-2,275'  | 2,309'-2,324'  |
| 2,178' —  | 2,331' —  | 2,457' —  | 2,275' —   | 2,324' —   |
|   |   |   |  |  |
|   |   |   |  |  |
|   |   |   |  |  |
|   |   |   |  |  |
| 2,223'  | 2,331'  |   | 2,281'   | 2,367'   |
| Queenston   | Queenston   | Queenston   | Queenston  | Queenston  |
| Clinton at<br>2,015'-2,038'.<br>Black water<br>at 1,882'. Gas<br>at 2,170'-<br>2,174'. I. O. F.<br>38 Mcf. I. R. P.<br>400 Lbs. | Clinton at<br>2,163'-2,185'.<br>Black water<br>at 1,970'. Gas<br>at 2,253'-2,255'<br>& 2,315'-2,321'.<br>I. O. F. 1,800<br>Mcf. | Clinton at<br>2,293'-2,309'.<br>Smoke at 2,095'.<br>Black water<br>at 2,105'. Gas<br>at 2,377'-<br>2,383'. I. O. F.<br>20 Mcf. I. R. P.<br>845 Lbs. | Clinton at<br>2,120'-2,135'.<br>S. W. at 1,380'.<br>Black water<br>at 1,920'.<br>D. & A. | Clinton at<br>2,165'-2,181'.<br>Black water<br>at 1,948'.<br>Gas at 2,309'.<br>I. O. F. 240<br>Mcf. I. R. P.<br>500 Lbs. |

| COUNTY         |                          | CHAUTAUQUA   | CHAUTAUQUA                       | CHAUTAUQUA                      | CHAUTAUQUA              |
|----------------|--------------------------|--|----------------------------------|---------------------------------|-------------------------|
| QUADRANGLE     |                          | Dunkirk  | Dunkirk                          | Dunkirk                         | Dunkirk                 |
| MAP NUMBER     |                          | 30   | 31                               | 32                              | 33                      |
| NAME OF WELL   |                          | F. Morrison No. 1  | C. Wenburnis No. 1               | Bucher No. 1                    | Post                    |
| OPERATOR       |                          |  | F. L. Dougherty                  | South Shore Nat. Gas & Fuel Co. |                         |
| TOWNSHIP       |                          | Sheridan   | Portland                         | Portland                        | Portland                |
| LATITUDE       |                          | 19,500' South of 42° 30'   | 2,000' South of 42° 25'          | 1,900' South of 42° 25'         | 6,300' South of 42° 25' |
| LONGITUDE      |                          | 1,800' West of 79° 15'   | 10,200' West of 79° 25'          | 5,900' West of 79° 25'          | 7,000' East of 79° 30'  |
| DATE COMPLETED |                          | 10/3/16  | 10/8/51                          | 1916                            |                         |
| ELEVATION      |                          | 1,075' Topo.   | 659'                             | 640'                            | 640' Topo.              |
| TULLY          |                          |  |                                  |                                 |                         |
| ONONDAGA       |                          | 1,445'-1,655'  | 1,055'-1,275'                    | 925'—                           |                         |
| ORISKANY       |                          |  |                                  | N. P.                           |                         |
| SALT ZONE      |                          |  |                                  |                                 |                         |
| LOCKPORT       |                          | 2,170'-2,330'  | 1,680'-1,960'                    | 1,683'-1,915'                   |                         |
| MEDINAN        | RED MEDINA (GRIMSBY)     | 2,396'-2,527'  | 2,017'-2,147'                    | 2,005'-2,079'                   |                         |
|                | WHITE MEDINA (WHIRLPOOL) | 2,527'-2,539'  | 2,147'-2,156'                    | 2,079'-2,142'                   |                         |
| QUEENSTON      |                          | 2,539'—  | 2,156'—                          | 2,142'—                         |                         |
| OSWEGO         |                          |  |                                  |                                 |                         |
| TRENTON        |                          |  |                                  |                                 |                         |
| POTSDAM        |                          |  |                                  |                                 |                         |
| PRECAMBRIAN    |                          |  |                                  |                                 |                         |
| TOTAL DEPTH    |                          | 2,552'   | 2,159'                           | 2,156'                          |                         |
| DEEPEST FM.    |                          | Queenston  | Queenston                        | Queenston                       |                         |
| REMARKS        |                          | Clinton at 2,371'-2,396'. Black water at 2,210'. Gas at 2,436'. I. O. F. 45 Mcf. | Show gas in Medina (20 Mcf.). ** |                                 | D. & A.                 |



TABLE I (Cont.)

| CHAUTAUQUA   | CHAUTAUQUA                 | CHAUTAUQUA                 | CHAUTAUQUA                 | CHAUTAUQUA                 |
|--|----------------------------|----------------------------|----------------------------|----------------------------|
| Dunkirk  | Dunkirk                    | Dunkirk                    | Dunkirk                    | Dunkirk                    |
| 34   | 35                         | 36                         | 37                         | 38                         |
| W. Howell  | Green                      | Pecor No. 1                | Brocton                    | Brocton                    |
| Appalachian<br>Devel. Corp.  |                            |                            |                            | Frost Gas<br>Co.           |
| Portland   | Portland                   | Portland                   | Portland                   | Portland                   |
| 6,000' South<br>of 42° 25'   | 6,200' South<br>of 42° 25' | 9,500' South<br>of 42° 25' | 9,800' South<br>of 42° 25' | 9,900' South<br>of 42° 25' |
| 11,850' West<br>of 79° 25'   | 14,800' East<br>of 79° 30' | 6,900' East<br>of 79° 30'  | 14,800' East<br>of 79° 30' | 6,100' West<br>of 79° 25'  |
|  |                            | 9/12/35                    |                            |                            |
| 669'   | 688' Topo.                 | 661'                       | 730' Topo.                 | 735'                       |
|  |                            |                            |                            |                            |
| 1,010' —   |                            | 1,080'—1,305'              |                            | 1,145' —                   |
|  |                            |                            |                            | N. P.                      |
|  |                            |                            |                            |                            |
| 1,705' —   |                            | 1,730'—1,996'              |                            | 1,800'—2,010'              |
| 2,050'—2,182'  |                            | 2,052'—2,190'              |                            | 2,118' —                   |
| 2,182'—2,192'  |                            | 2,190'—2,201'              |                            | —2,249'                    |
| 2,192' —   |                            | 2,201' —                   |                            | 2,249' —                   |
|  |                            |                            |                            |                            |
|  |                            |                            |                            |                            |
|  |                            |                            |                            |                            |
|  |                            |                            |                            |                            |
| 2,231'   |                            | 2,213'                     |                            | 2,261'                     |
| Queenston  |                            | Queenston                  |                            | Queenston                  |
| Gas at 2,182'.<br>I. O. F. 60 Mcf.<br>275 Mcf. a/s.<br>I. R. P. 850 Lbs. | D. & A.                    | D. & A.<br>**              | D. & A.                    |                            |

| COUNTY         |                          | CHAUTAUQUA             | CHAUTAUQUA  | CHAUTAUQUA   | CHAUTAUQUA              |
|----------------|--------------------------|------------------------|---|--|-------------------------|
| QUADRANGLE     |                          | Dunkirk                | Dunkirk   | Dunkirk  | Dunkirk                 |
| MAP NUMBER     |                          | 39                     | 40  | 41   | 42                      |
| NAME OF WELL   |                          | Newton Mem. Hospital   | Leona   | W. Rutkowski   | Maxtoxi                 |
| OPERATOR       |                          |                        | Hanover Gas Co.   |  |                         |
| TOWNSHIP       |                          | Pomfret                | Pomfret   | Pomfret  | Pomfret                 |
| LATITUDE       |                          | 800' South of 42° 25'  | 3,450' South of 42° 25'   | 3,850' South of 42° 25'  | 4,000' South of 42° 25' |
| LONGITUDE      |                          | 6,200' East of 79° 25' | 4,500' East of 79° 25'  | 2,750' West of 79° 20'   | 1,550' East of 79° 20'  |
| DATE COMPLETED |                          |                        |   | 1/15/27  | 1924                    |
| ELEVATION      |                          | 1,560'                 | 770'  | 1,040' Topo.   | 1,160'                  |
| TULLY          |                          |                        |   |  |                         |
| ONONDAGA       |                          |                        | 1,550'–1,774'   | 1,510'–1,740'  | 1,573'–                 |
| ORISKANY       |                          |                        |   |  | N. P.                   |
| SALT ZONE      |                          |                        |   |  |                         |
| LOCKPORT       |                          | 2,765'–3,105'          |   | 2,145'–2,400'  | 2,245'–2,490'           |
| MEDINAN        | RED MEDINA (GRIMSBY)     | 3,135'–                | 2,518'–2,628'   | 2,492'–2,633'  | 2,690'–                 |
|                | WHITE MEDINA (WHIRLPOOL) |                        | 2,628'–   | 2,633'–2,647'  | –2,727'                 |
| QUEENSTON      |                          |                        |   | 2,647'–  | 2,727'–                 |
| OSWEGO         |                          |                        |   |  |                         |
| TRENTON        |                          |                        |   |  |                         |
| POTSDAM        |                          |                        |   |  |                         |
| PRECAMBRIAN    |                          |                        |   |  |                         |
| TOTAL DEPTH    |                          | 3,307'                 | 2,678'  | 2,649'   | 2,747'                  |
| DEEPEST FM.    |                          | Queenston              | Queenston   | Queenston  | Queenston               |
| REMARKS        |                          |                        | Smoke and black water at 2,300'. Gas in Medina. I. O. F. 1,250 Mcf. **P | Clinton at 2,480'–2,492'. Black water at 2,280'. Show gas at 2,417'. P. & A. |                         |

| CHAUTAUQUA              | CHAUTAUQUA  | CHAUTAUQUA  | CHAUTAUQUA                       | CHAUTAUQUA               |
|-------------------------|---|---|----------------------------------|--------------------------|
| Dunkirk                 | Dunkirk   | Dunkirk   | Dunkirk                          | Dunkirk                  |
| 43                      | 44  | 45  | 46                               | 47                       |
| G. Giambrune            | Leone No. 2   | Civilette   | Salhoff No. 1                    | Gibbs                    |
|                         |   |   |                                  |                          |
| Pomfret                 | Pomfret   | Pomfret   | Pomfret                          | Pomfret                  |
| 3,200' South of 42° 25' | 5,400' South of 42° 25'   | 4,700' South of 42° 25'   | 7,200' South of 42° 25'          | 10,500' South of 42° 25' |
| 5,950' East of 79° 20'  | 1,400' East of 79° 20'  | 4,900' East of 79° 20'  | 1,300' East of 79° 20'           | 9,600' West of 79° 20'   |
|                         | 11/6/30   |   | 1927                             |                          |
| 920'                    | 1,220.87'   | 1,053'  | 1,240'                           | 1,200'                   |
|                         |   |   |                                  |                          |
|                         | 1,680'-1,910'   | 1,520'-1,745'   | 1,697'-1,927'                    |                          |
|                         |   |   |                                  |                          |
| 2,095'-2,340'           |   |   |                                  | 2,305'-2,550'            |
| 2,528' —                | 2,652'-2,794'   | 2,480'-2,628'   | 2,676'-2,820'                    | 2,660' —                 |
|                         | 2,794'-2,804'   | 2,628'-2,640'   | 2,820'-2,835'                    |                          |
|                         | 2,804' —  | 2,640' —  | 2,835' —                         |                          |
|                         |   |   |                                  |                          |
|                         |   |   |                                  |                          |
|                         |   |   |                                  |                          |
|                         |   |   |                                  |                          |
| 2,583'                  | 2,814'  | 2,643'  | 2,840'                           | 2,829'                   |
| Medina                  | Queenston   | Queenston   | Queenston                        | Queenston                |
|                         | Clinton at 2,634'-2,652'. Gas at 2,718'-2,722'. I. O. F. 3,000 Mcf. | Clinton at 2,465'-2,480'. Gas at 2,560'-2,565'. I. O. F. 600 Mcf. | Gas at 2,744'. I. O. F. 300 Mcf. |                          |

| COUNTY         |                          | CHAUTAUQUA   | CHAUTAUQUA                              | CHAUTAUQUA                             | CHAUTAUQUA  |
|----------------|--------------------------|--|---|--|---|
| QUADRANGLE     |                          | Dunkirk  | Dunkirk                                 | Dunkirk                                | Dunkirk   |
| MAP NUMBER     |                          | 48   | 49                                      | 50                                     | 51  |
| NAME OF WELL   |                          | Privitora No. 2  | Newton Mem. Hospital                    | Bartleson No. 1                        | Vellone   |
| OPERATOR       |                          |  |   | Leffler & Luder                        | Republic  |
| TOWNSHIP       |                          | Pomfret  | Pomfret                                 | Pomfret                                | Arkwright   |
| LATITUDE       |                          | 12,500' North of 42° 20'   | 8,700' North of 42° 20'                 | 5,800' North of 42° 20'                | 6,200' North of 42° 25'                                       |
| LONGITUDE      |                          | 700' East of 79° 20'   | 2,600' West of 79° 20'                  | 7,300' East of 79° 20'                 | 3,800' West of 79° 15'  |
| DATE COMPLETED |                          |  | 12/ /39                                 | 3/1/41                                 |   |
| ELEVATION      |                          | 1,232'   | 1,505' Topo.                            | 1,360'                                 | 1,240' Topo.  |
| TULLY          |                          |  |   |  |   |
| ONONDAGA       |                          | 1,798'–2,013'  |   |  | 1,583'–1,840'   |
| ORISKANY       |                          |  |   |  |   |
| SALT ZONE      |                          |  |   |  |   |
| LOCKPORT       |                          | 2,500'–2,730'  |   |  | 2,210'–2,460'   |
| MEDINAN        | RED MEDINA (GRIMSBY)     | 2,805'–2,898'  |   |  | 2,602'–2,737'   |
|                | WHITE MEDINA (WHIRLPOOL) | 2,898' –   |   |  | 2,737'–2,750'   |
| QUEENSTON      |                          |  |   |  | 2,750' –  |
| OSWEGO         |                          |  |   |  |   |
| TRENTON        |                          |  |   |  |   |
| POTSDAM        |                          |  |   |  |   |
| PRECAMBRIAN    |                          |  |   |  |   |
| TOTAL DEPTH    |                          | 2,982'   | 3,273'                                  | 1,565'                                 | 2,771'  |
| DEEPEST FM.    |                          | Queenston  |   |  | Queenston   |
| REMARKS        |                          | Black water at 2,620'. Gas at 2,837'–2,841' & 2,869'–2,879'. I. O. F. 420 Mcf. | Gas in Medina. I. O. F. 50–75 Mcf. (*P) | I. O. F. 65 Mcf. I. R. P. 86 Lbs. (*P) | Gas at 2,622'–2,634' & 2,684'–2,688'. I. O. F. 5,200 Mcf. **p |



| CHAUTAUQUA                              | CHAUTAUQUA  | CHAUTAUQUA   | CHAUTAUQUA  | CHAUTAUQUA   |
|---|---|--|---|--|
| Dunkirk                                 | Dunkirk   | Dunkirk  | Dunkirk   | Dunkirk  |
| 52                                      | 53  | 54   | 55  | 56   |
| Stelmack<br>No. 1                       | Martina<br>No. 2  | Thies<br>No. 2   | Martina   | W. Sloduchowski<br>No. 1   |
|   |   |  |   |  |
| Arkwright                               | Arkwright   | Arkwright  | Arkwright   | Arkwright  |
| 5,000' North<br>of 42° 25'              | 3,400' North<br>of 42° 25'  | 3,800' North<br>of 42° 25'   | 2,600' North<br>of 42° 25'                                  | 500' North<br>of 42° 25'   |
| 1,300' West<br>of 79° 15'               | 8,800' West<br>of 79° 15'   | 4,900' West<br>of 79° 15'  | 8,300' West<br>of 79° 15'                                   | 5,600' West<br>of 79° 15'  |
| 3/1/27                                  | 3/24/27   | 12/28/26   | 1926  | 10/19/28   |
| 1,405' Topo.                            | 1,070' Topo.  | 1,350' Topo.   | 1,110' Topo.  | 1,360' Topo.   |
|   |   |  |   |  |
| 1,828'-2,053'                           | 1,465'-1,695'   | 1,655'-1,880'  | 1,510'-1,740'   | 1,738'-1,968'  |
|   |   |  |   |  |
|   |   |  |   |  |
| 2,440'-2,704'                           | 2,100'-2,368'   | 2,285'-2,538'  | 2,140'-2,390'   | 2,448'-2,640'  |
| 2,782'-2,917'                           | 2,443'-2,574'   | 2,627'-2,757'  | 2,485'-2,621'   | 2,711'-2,862'  |
|   |   |  |   |  |
| 2,917'-2,937'                           | 2,574'-2,587'   | 2,757'-2,765'  | 2,621'-2,638'   | 2,862'-2,869'  |
| 2,937'—                                 | 2,587'—   | 2,765'—  | 2,638'—   | 2,869'—  |
|   |   |  |   |  |
|   |   |  |   |  |
|   |   |  |   |  |
|   |   |  |   |  |
| 2,942'                                  | 2,600'  | 2,784'   | 2,690'  | 2,879'   |
| Queenston                               | Queenston   | Queenston  | Queenston   | Queenston  |
| Clinton at<br>2,767'-2,782'.<br>D. & A. | Clinton at<br>2,423'-2,443'.<br>Black water<br>at 2,240'.<br>Show gas at<br>2,585'. (105<br>Mcf.).<br>P. & A. | Clinton at<br>2,625'-2,627'.<br>Black water<br>at 2,430'.<br>D. & A. | Gas in Medina.<br>I. O. F. 300<br>Mcf. I. R. P.<br>840 Lbs. | Clinton at<br>2,696'-2,711'.<br>Black water<br>at 2,542'.<br>D. & A. |

| COUNTY         |                                | CHAUTAUQUA  | CHAUTAUQUA  | CHAUTAUQUA                        | CHAUTAUQUA                                |
|----------------|--------------------------------|---|---|-----------------------------------|---|
| QUADRANGLE     |                                | Dunkirk   | Dunkirk   | Dunkirk                           | Dunkirk                                   |
| MAP NUMBER     |                                | 57  | 58  | 59                                | 60  |
| NAME OF WELL   |                                | L. Ciminello<br>No. 1   | A. Meadows<br>No. 1   | Johnson<br>No. 1                  | Fox                                       |
| OPERATOR       |                                |   |   | Republic                          |   |
| TOWNSHIP       |                                | Arkwright   | Arkwright   | Arkwright                         | Stockton                                  |
| LATITUDE       |                                | 1,200' South<br>of 42° 25'  | 1,200' South<br>of 42° 25'  | 3,500' South<br>of 42° 25'        | 200' North<br>of 42° 20'                  |
| LONGITUDE      |                                | 7,800' West<br>of 79° 15'   | 3,300' West<br>of 79° 15'   | 4,050' West<br>of 79° 15'         | 8,200' East<br>of 79° 20'                 |
| DATE COMPLETED |                                | 8/28/28   | 5/8/29  | 1940                              |   |
| ELEVATION      |                                | 1,180' Topo.  | 1,500' Topo.  | 1,450'                            | 1,380'                                    |
| TULLY          |                                |   |   |                                   |   |
| ONONDAGA       |                                | 1,630'-1,855'   | 1,985'-2,215'   | 1,924'—                           |   |
| ORISKANY       |                                |   |   | N. P.                             |   |
| SALT ZONE      |                                |   |   |                                   |   |
| LOCKPORT       |                                | 2,265'-2,535'   | 2,630'-2,896'   | 2,580'—                           |   |
| MEDINA         | RED<br>MEDINA<br>(GRIMSBY)     | 2,612'-2,754'   | 2,951'-3,091'   | 2,887'-3,034'                     |   |
|                | WHITE<br>MEDINA<br>(WHIRLPOOL) | 2,754'-2,769'   | 3,091'-3,105'   | 3,034'-3,049'                     |   |
| QUEENSTON      |                                | 2,769'—   | 3,105'—   | 3,049'—                           |   |
| OSWEGO         |                                |   |   |                                   |   |
| TRENTON        |                                |   |   |                                   |   |
| POTSDAM        |                                |   |   |                                   |   |
| PRECAMBRIAN    |                                |   |   |                                   |   |
| TOTAL DEPTH    |                                | 2,776'  | 3,109'  | 3,061'                            | 680'                                      |
| DEEPEST FM.    |                                | Queenston   | Queenston   | Queenston                         | U. Devonian                               |
| REMARKS        |                                | Clinton at<br>2,594'-2,612'.<br>Black water<br>at 2,415'.<br>Show of gas<br>at 2,682'.<br>D. & A. | Clinton at<br>2,836'-2,951'.<br>Show oil at<br>2,170'. Show<br>gas at 2,113',<br>3,016' & 3,100'.<br>I. O. F. 49<br>Mcf.<br>P. & A. | Clinton at<br>2,871'—.<br>D. & A. | Gas production<br>from Upper<br>Devonian. |

| CHAUTAUQUA                 | CHAUTAUQUA  | CHAUTAUQUA                   | CHAUTAUQUA                | CHAUTAUQUA                 |
|----------------------------|---|------------------------------|---------------------------|----------------------------|
| Dunkirk                    | Dunkirk   | Dunkirk                      | Dunkirk                   | Dunkirk                    |
| 61                         | 62  | 63                           | 64                        | 65                         |
| West                       | A. Slefkin<br>No. 1                               | I. Warren<br>No. 1           | Liddicoat                 | Roberts                    |
|                            | Leffler &<br>Luder                                |                              |                           |                            |
| Stockton                   | Stockton  | Stockton                     | Charlotte                 | Charlotte                  |
| 3,900' North<br>of 42° 20' | 1,000' North<br>of 42° 20'                        | 10,900' North<br>of 42° 15'  | 100' North<br>of 42° 20'  | 6,650' South<br>of 42° 20' |
| 5,900' East<br>of 79° 20'  | 7,900' East<br>of 79° 20'                         | 500' East<br>of 79° 20'      | 9,700' West<br>of 79° 15' | 8,700' West<br>of 79° 15'  |
|                            |   | 1914                         |                           |                            |
| 1,345' Topo.               | 1,360' Topo.                                      | 1,320'                       | 1,430' Topo.              | 1,380'                     |
|                            |   |                              |                           |                            |
|                            |   | 1,950'–2,180'                |                           |                            |
|                            |   | N. P.                        |                           |                            |
|                            |   |                              |                           |                            |
|                            |   |                              |                           |                            |
|                            |   | 2,944'–3,093'                |                           |                            |
|                            |   |                              |                           |                            |
|                            |   | 3,093'–3,107'                |                           |                            |
|                            |   | 3,107' –                     |                           |                            |
|                            |   |                              |                           |                            |
|                            |   |                              |                           |                            |
|                            |   |                              |                           |                            |
| 700'                       | 1,005'  |                              | 2,500'                    | 600'                       |
| U. Devonian                | U. Devonian                                       | Queenston                    | U. Devonian               |                            |
|                            | Gas in Upper<br>Devonian.<br>I. O. F. 360<br>Mcf. | Clinton at<br>2,923'–2,944'. | Gas in Upper<br>Devonian. | Gas in Upper<br>Devonian.  |

| COUNTY         |                          | CHAUTAUQUA              | CHAUTAUQUA              | CHAUTAUQUA              | CHAUTAUQUA  |
|----------------|--------------------------|-------------------------|-------------------------|-------------------------|---|
| QUADRANGLE     |                          | Dunkirk                 | Dunkirk                 | Dunkirk                 | Dunkirk   |
| MAP NUMBER     |                          | 66                      | 67                      | 68                      | 69  |
| NAME OF WELL   |                          | Delahey No. 1           | Blodgett                | Swanson                 | I. Frenshonie No. 1                                     |
| OPERATOR       |                          | R. Rich                 |                         |                         | Republic  |
| TOWNSHIP       |                          | Charlotte               | Charlotte               | Charlotte               | Pomfret   |
| LATITUDE       |                          | 9,350' South of 42° 30' | 7,650' North of 42° 15' | 4,750' North of 42° 15' | 6,700' North of 42° 20'                                 |
| LONGITUDE      |                          | 1,900' West of 79° 15'  | 1,100' West of 79° 15'  | 2,850' West of 79° 15'  | 9,700' East of 79° 25'                                  |
| DATE COMPLETED |                          |                         |                         |                         | 1926  |
| ELEVATION      |                          | 1,610' Topo.            | 1,455' Topo.            | 1,380'                  | 1,310'  |
| TULLY          |                          |                         |                         |                         |   |
| ONONDAGA       |                          |                         |                         |                         | 1,790' —  |
| ORISKANY       |                          |                         |                         |                         | N. P.   |
| SALT ZONE      |                          |                         |                         |                         |   |
| LOCKPORT       |                          |                         |                         |                         | 2,440'—2,691'   |
| MEDINAN        | RED MEDINA (GRIMSBY)     |                         |                         |                         | 2,778'—2,890'   |
|                | WHITE MEDINA (WHIRLPOOL) |                         |                         |                         | 2,930'—2,945'   |
| QUEENSTON      |                          |                         |                         |                         | 2,945' —  |
| OSWEGO         |                          |                         |                         |                         |   |
| TRENTON        |                          |                         |                         |                         |   |
| POTSDAM        |                          |                         |                         |                         |   |
| PRECAMBRIAN    |                          |                         |                         |                         |   |
| TOTAL DEPTH    |                          | 1,200'                  | 800'                    | 1,100'                  | 2,964'  |
| DEEPEST FM.    |                          |                         |                         |                         | Queenston   |
| REMARKS        |                          | D. & A.                 | Gas in Upper Devonian.  | D. & A.                 | Clinton at 2,760'—2,778'. Tight sand in Medina. D. & A. |



| CHAUTAUQUA              | CHAUTAUQUA  | CHAUTAUQUA  | CHAUTAUQUA               | CHAUTAUQUA                               |
|-------------------------|---|---|--------------------------|--|
| Westfield               | Westfield   | Westfield   | Westfield                | Westfield                                |
| 1                       | 2   | 3   | 4                        | 5  |
| Chris No. 1             | E. Kiester No. 2  | E. Kiester No. 1  | W. Betts No. 1           | Welch Grape Juice                        |
| Hamilton Fancher        | Lapag. Corp.  | Lapag. Corp.  | South Shore Nat. Gas Co. |  |
| Ripley                  | Westfield   | Westfield   | Westfield                | Westfield                                |
| 1,350' North of 42° 15' | 8,100' North of 42° 20'   | 5,800' North of 42° 20'   | 1,400' North of 42° 20'  | 1,100' South of 42° 20'                  |
| 2,100' West of 79° 40'  | 16,000' West of 79° 30'   | 16,400' West of 79° 30'   | 350' West of 79° 35'     | 2,300' West of 79° 35'                   |
|                         | 12/6/56   | 1954  | 1917                     |  |
| 1,250'                  | 623'  | 675'  | 660'                     | 660' Topo.                               |
|                         |   |   |                          |  |
|                         | 1,090'—1,307'   | 1,119'—1,380'   | 1,130'—                  |  |
|                         |   | Horizon 1,380'—   | N. P.                    |  |
|                         |   |   |                          |  |
|                         | 1,780'—2,016'   | 1,827'—2,047'   | 1,840'—2,050'            |  |
|                         | 2,100'—2,221'   | 2,100'—2,258½'  | 2,100'—2,270'            | 2,223'—                                  |
|                         | 2,221'—2,231'   | 2,258½'—2,268½'   | 2,270'—2,282'            |  |
|                         | 2,231'—   | 2,268½'—  | 2,282'—                  |  |
|                         |   |   |                          |  |
|                         |   |   |                          |  |
|                         |   |   |                          |  |
|                         |   |   |                          |  |
| 3,080'                  | 2,242'  | 2,271'  | 2,303'                   | 2,365'                                   |
| Queenston               | Queenston   | Queenston   | Queenston                | Medina                                   |
| Show of gas in Medina.  | Black water at 1,780'. Show gas at 90', 975'—1,000' & in Medina. D. & A. *P | Clinton at 2,088'—. Black water at 1,370'. Show gas at 175'. Gas at 2,108'—2,116' & 2,263'. I. O. F. 400 Mcf. a/f I. R. P. 500 Lbs. | D. & A. **P              | Gas at 2,355'. I. O. F. 800 Mcf. P. & A. |

| COUNTY         |                          | CHAUTAUQUA                         | CHAUTAUQUA                               | CHAUTAUQUA                        | ALLEGANY                                   |
|----------------|--------------------------|------------------------------------|--|-----------------------------------|--|
| QUADRANGLE     |                          | Westfield                          | Westfield                                | Westfield                         | Wellsville                                 |
| MAP NUMBER     |                          | 6                                  | 7  | 8                                 | 1  |
| NAME OF WELL   |                          | M. Murphy                          | Nixon                                    | M. June No. 1                     | McEwen & Norton No. 1                      |
| OPERATOR       |                          |                                    |  | Block et al.                      | I. P. Clancy                               |
| TOWNSHIP       |                          | Westfield                          | Westfield                                | Westfield                         | Amity                                      |
| LATITUDE       |                          | 2,400' South of 42° 20'            | 7,600' South of 42° 20'                  | 4,200' North of 42° 20'           | 16,250' South of 42° 15'                   |
| LONGITUDE      |                          | 2,000' West of 79° 35'             | 2,500' West of 79° 35'                   | 7,700' East of 79° 35'            | 15,550' West of 77° 55'                    |
| DATE COMPLETED |                          |                                    |  | 8/5/57                            | 1939                                       |
| ELEVATION      |                          | 690' Topo.                         | 730' Topo.                               | 703'                              | 2,157'                                     |
| TULLY          |                          |                                    |  |                                   | 3,744'-3,790'                              |
| ONONDAGA       |                          |                                    |  | 1,177'-1,369'                     | 4,322'-4,398'                              |
| ORISKANY       |                          |                                    |  |                                   | 4,398'-N. R.                               |
| SALT ZONE      |                          |                                    |  |                                   |  |
| LOCKPORT       |                          |                                    |  | 1,853'-2,088'                     |  |
| MEDINAN        | RED MEDINA (GRIMSBY)     |                                    |  | 2,177'-2,249'                     |  |
|                | WHITE MEDINA (WHIRLPOOL) |                                    |  | 2,314'-2,327'                     |  |
| QUEENSTON      |                          |                                    |  | 2,327'—                           |  |
| OSWEGO         |                          |                                    |  |                                   |  |
| TRENTON        |                          |                                    |  |                                   |  |
| POTSDAM        |                          |                                    |  |                                   |  |
| PRECAMBRIAN    |                          |                                    |  |                                   |  |
| TOTAL DEPTH    |                          | 2,418'                             |  | 2,344'                            | 4,404'                                     |
| DEEPEST FM.    |                          |                                    |  | Queenston                         | Oriskany                                   |
| REMARKS        |                          | Gas in Medina. I. O. F. 1,500 Mcf. | Gas in Medina. I. O. F. 130 Mcf. P. & A. | Clinton at 2,157'-2,177'. D. & A. | 125' of S. W. in 2 hrs. at 4,404'. P. & A. |

TABLE I (Cont.)

| ALLEGANY                   | ALLEGANY                    | ALLEGANY  | ALLEGANY                   | ALLEGANY                       |
|----------------------------|-----------------------------|---|----------------------------|--------------------------------|
| Wellsville                 | Wellsville                  | Wellsville  | Wellsville                 | Wellsville                     |
| 2                          | 3                           | 4   | 5                          | 6                              |
| Tucker<br>No. 1            | M. Hayes<br>No. 2           | M. Hayes<br>No. 1                                 | A. Randolph<br>No. 1       | F. Cornelius<br>No. 1          |
| Kendall Oil<br>Co.         | I. P. Clancy                | I. P. Clancy                                      | N. Johnson                 | Empire Gas &<br>Fuel Co., Ltd. |
| Ward                       | Ward                        | Ward  | Alfred                     | Alfred                         |
| 8,900' South<br>of 42° 15' | 17,350' South<br>of 42° 15' | 18,300' South<br>of 42° 15'                       | 4,900' South<br>of 42° 15' | 7,750' South<br>of 42° 15'     |
| 12,100' West<br>of 77° 50' | 5,100' West<br>of 77° 55'   | 6,000' West<br>of 77° 55'                         | 15,400' West<br>of 77° 45' | 19,200' West<br>of 77° 45'     |
| 1951                       | 1940                        | 1940  | 1933                       | 1945                           |
| 1,924' D. F.               | 2,214'                      | 2,161'  | 2,240'                     | 2,312'                         |
|                            | 3,869'-3,919'               | 3,825'-3,874'                                     | 3,705'-3,751'              | 3,831'-3,888'                  |
|                            | 4,444'-4,500'               | 4,408'-4,452'                                     | 4,325'-4,373'              | 4,440'-4,488'                  |
|                            | 4,500'—                     | 4,452'—N. R.                                      | 4,373'—N. R.               | 4,488'—                        |
|                            |                             |   |                            |                                |
|                            |                             |   |                            |                                |
|                            |                             |   |                            |                                |
|                            |                             |   |                            |                                |
|                            |                             |   |                            |                                |
|                            |                             |   |                            |                                |
|                            |                             |   |                            |                                |
|                            |                             |   |                            |                                |
|                            |                             |   |                            |                                |
|                            |                             |   |                            |                                |
|                            |                             |   |                            |                                |
|                            |                             |   |                            |                                |
|                            |                             |   |                            |                                |
|                            |                             |   |                            |                                |
| 1,402'                     | 4,507'                      | 4,460'  | 4,381'                     | 4,493'                         |
| post-Tully                 | Oriskany                    | Oriskany  | Oriskany                   | Oriskany                       |
| Dry.                       | S. W.<br>P. & A.            | Gas at 2,000'.<br>I. O. F. 300<br>Mcf.<br>P. & A. | S. W.<br>P. & A.<br>(*)    | S. W.<br>P. & A.               |

## NEW YORK

TABLE I (Cont.)

| COUNTY         |                                | ALLEGANY                       | ALLEGANY                    | ALLEGANY                    | ALLEGANY                   |
|----------------|--------------------------------|--------------------------------|-----------------------------|-----------------------------|----------------------------|
| QUADRANGLE     |                                | Wellsville                     | Wellsville                  | Wellsville                  | Wellsville                 |
| MAP NUMBER     |                                | 7                              | 8                           | 9                           | 10                         |
| NAME OF WELL   |                                | C. Rennels<br>No. 1            | C. L. Lynch                 | K. Black<br>No. 1           | R. Whiteman<br>No. 1       |
| OPERATOR       |                                | Empire Gas &<br>Fuel Co., Ltd. | B. Q. D. C.                 | Penna. Nat.<br>Gas Co.      | M. Hurd et al.             |
| TOWNSHIP       |                                | Alfred                         | Alfred                      | Scio                        | Scio                       |
| LATITUDE       |                                | 9,400' South<br>of 42° 15'     | 11,500' South<br>of 42° 15' | 27,500' South<br>of 42° 15' | 1,700' South<br>of 42° 10' |
| LONGITUDE      |                                | 10,750' West<br>of 77° 45'     | 21,000' West<br>of 77° 45'  | 7,500' West<br>of 77° 55'   | 2,800' East<br>of 77° 55'  |
| DATE COMPLETED |                                | 1946                           | 1941                        | 1933                        | 1952                       |
| ELEVATION      |                                | 1,834'                         | 2,208'                      | 1,778'                      | 2,128'                     |
| TULLY          |                                | 3,385'—                        | 3,750'—3,802'               | 3,470'—                     |                            |
| ONONDAGA       |                                | 4,001'—4,047'                  | 4,364'—4,414'               | 4,025'—4,097'               |                            |
| ORISKANY       |                                | 4,047'—                        | 4,414'—                     | 4,097'—N. R.                |                            |
| SALT ZONE      |                                |                                |                             |                             |                            |
| LOCKPORT       |                                |                                |                             |                             |                            |
| MEDINAN        | RED<br>MEDINA<br>(GRIMSBY)     |                                |                             |                             |                            |
|                | WHITE<br>MEDINA<br>(WHIRLPOOL) |                                |                             |                             |                            |
| QUEENSTON      |                                |                                |                             |                             |                            |
| OSWEGO         |                                |                                |                             |                             |                            |
| TRENTON        |                                |                                |                             |                             |                            |
| POTSDAM        |                                |                                |                             |                             |                            |
| PRECAMBRIAN    |                                |                                |                             |                             |                            |
| TOTAL DEPTH    |                                | 4,051'                         | 4,417'                      | 4,103'                      | 1,365'                     |
| DEEPEST FM.    |                                | Oriskany                       | Oriskany                    | Oriskany                    | post-Tully                 |
| REMARKS        |                                | S. W.<br>P. & A.               | S. W.<br>P. & A.            | S. W.<br>P. & A.            | Dry.                       |



| ALLEGANY                   | ALLEGANY  | ALLEGANY                   | ALLEGANY                       | ALLEGANY                             |
|----------------------------|---|----------------------------|--------------------------------|--------------------------------------|
| Wellsville                 | Wellsville                                      | Wellsville                 | Wellsville                     | Wellsville                           |
| 11                         | 12  | 13                         | 14                             | 15                                   |
| C. Hurd<br>No. 1           | A. King<br>No. 1                                | Gardiner<br>No. 1          | M. Lynch<br>No. 1              | H. Clark<br>No. 1                    |
| W. Gordon<br>et al.        | Ravening<br>et al.                              | Kendall Oil<br>Co.         | Empire Gas &<br>Fuel Co., Ltd. | E. G. & F. Co.<br>Ltd. & B. Q. D. C. |
| Wellsville                 | Wellsville                                      | Wellsville                 | Andover                        | Andover                              |
| 3,500' South<br>of 42° 10' | 11,600' South<br>of 42° 10'                     | 8,760' North<br>of 42° 10' | 10,800' South<br>of 42° 10'    | 9,850' South<br>of 42° 10'           |
| 4,000' East<br>of 77° 55'  | 7,800' East<br>of 78° 00'                       | 11,850' West<br>of 77° 45' | 21,000' West<br>of 77° 45'     | 17,500' West<br>of 77° 45'           |
| 1951                       | 1950  | 1951                       | 1942                           | 1943                                 |
| 2,084' D. F.               | 1,479' D. F.                                    | 1,732'                     | 2,068'                         | 1,891'                               |
|                            | 3,366'-3,419'                                   |                            | 4,143'-4,182'                  | 3,957'—                              |
|                            | 3,925'-3,971'                                   |                            | 4,758'-4,804'                  | 4,566'-4,614'                        |
|                            | 3,971'-4,021'                                   |                            | 4,804'—                        | 4,614'—                              |
|                            | 4,326'-4,636'                                   |                            |                                |                                      |
|                            |   |                            |                                |                                      |
|                            |   |                            |                                |                                      |
|                            |   |                            |                                |                                      |
|                            |   |                            |                                |                                      |
|                            |   |                            |                                |                                      |
|                            |   |                            |                                |                                      |
|                            |   |                            |                                |                                      |
|                            |   |                            |                                |                                      |
|                            |   |                            |                                |                                      |
|                            |   |                            |                                |                                      |
| 1,700'                     | 5,025'  | 1,424'                     | 4,808'                         | 4,617'                               |
| post-Tully                 | Camillus  | post-Tully                 | Oriskany                       | Oriskany                             |
| Dry.                       | I. O. F. 30 Mcf.<br>at 3,973'.<br>P. & A.<br>*P | Dry.                       | S. W.<br>P. & A.               | S. W.<br>P. & A.                     |

| COUNTY         |                                | ALLEGANY                    | ALLEGANY                    | ALLEGANY                       | ALLEGANY                    |
|----------------|--------------------------------|-----------------------------|-----------------------------|--------------------------------|-----------------------------|
| QUADRANGLE     |                                | Wellsville                  | Wellsville                  | Wellsville                     | Wellsville                  |
| MAP NUMBER     |                                | 16                          | 17                          | 18                             | 19                          |
| NAME OF WELL   |                                | M. Lynch<br>No. 1           | A. Lynch<br>No. 1           | C. Clark Est.<br>No. 1         | J. Patten<br>No. 1          |
| OPERATOR       |                                | B. Q. D. C.                 | G. L. Cabot,<br>Inc.        | Empire Gas &<br>Fuel Co., Ltd. | Penn York<br>Nat. Gas Co.   |
| TOWNSHIP       |                                | Andover                     | Andover                     | Andover                        | Andover                     |
| LATITUDE       |                                | 11,600' South<br>of 42° 10' | 13,500' South<br>of 42° 10' | 18,500' South<br>of 42° 10'    | 18,550' South<br>of 42° 10' |
| LONGITUDE      |                                | 16,500' West<br>of 77° 45'  | 21,000' West<br>of 77° 45'  | 11,850' West<br>of 77° 45'     | 5,250' West<br>of 77° 45'   |
| DATE COMPLETED |                                | 1942                        | 1940                        | 1948                           | 1940                        |
| ELEVATION      |                                | 2,049'                      | 2,274'                      | 2,137'                         | 2,219'                      |
| TULLY          |                                | 4,117'-4,173'               | 4,349'-4,413'               | 4,209'-4,273'                  | 4,224'-4,276'               |
| ONONDAGA       |                                | 4,725'-4,774'               | 4,952'-5,001'               | 4,812'-4,874'                  | 4,843'-4,890'               |
| ORISKANY       |                                | 4,774'—                     | 5,001'—N. R.                | 4,874'—                        | 4,890'—N. R.                |
| SALT ZONE      |                                |                             |                             |                                |                             |
| LOCKPORT       |                                |                             |                             |                                |                             |
| MEDINAN        | RED<br>MEDINA<br>(GRIMSBY)     |                             |                             |                                |                             |
|                | WHITE<br>MEDINA<br>(WHIRLPOOL) |                             |                             |                                |                             |
| QUEENSTON      |                                |                             |                             |                                |                             |
| OSWEGO         |                                |                             |                             |                                |                             |
| TRENTON        |                                |                             |                             |                                |                             |
| POTSDAM        |                                |                             |                             |                                |                             |
| PRECAMBRIAN    |                                |                             |                             |                                |                             |
| TOTAL DEPTH    |                                | 4,776'                      | 5,002'                      | 4,879.5'                       | 4,894'                      |
| DEEPEST FM.    |                                | Oriskany                    | Oriskany                    | Oriskany                       | Oriskany                    |
| REMARKS        |                                | S. W.<br>P. & A.            | S. W.<br>P. & A.            | S. W.<br>P. & A.               | S. W.<br>P. & A.            |

| ALLEGANY  | ALLEGANY                                      | ALLEGANY  | ALLEGANY                                       | ALLEGANY   |
|---|---|---|--|--|
| Wellsville  | Wellsville                                    | Wellsville  | Wellsville                                     | Wellsville   |
| 20  | 21  | 22  | 23   | 24   |
| M. Crandall<br>No. 2                                      | M. Crandall<br>No. 1                          | Downes<br>No. 1   | D. Mulvey<br>No. 1                             | Dean Est.<br>No. 1   |
| Empire Gas &<br>Fuel Co., Ltd.                            | Empire Gas &<br>Fuel Co., Ltd.                | Schrack et al.  | Empire Gas &<br>Fuel Co., Ltd.                 | Empire Gas &<br>Fuel Co., Ltd.                                   |
| Andover   | Andover                                       | Alma  | Alma   | Alma   |
| 21,500' South<br>of 42° 10'                               | 23,100' South<br>of 42° 10'                   | 26,150' South<br>of 42° 05'                                     | 29,100' South<br>of 42° 05'                    | 27,800' South<br>of 42° 05'                                      |
| 3,000' West<br>of 77° 45'                                 | 4,300' West<br>of 77° 45'                     | 14,900' West<br>of 77° 55'                                      | 16,500' West<br>of 77° 55'                     | 11,500' West<br>of 77° 55'                                       |
| 1947  | 1940  | 11/27/36  | 5/1/37   | 1/5/35   |
| 2,309'  | 2,264'  | 1,896'  | 1,992' Grd.                                    | 1,960'   |
| 4,260'-4,312'   | 4,222'-4,264'                                 | 4,043'—   | 4,074'-4,127'                                  | 4,002'-4,092'  |
| 4,880'-4,926'   | 4,832'-4,877'                                 | 4,604'-4,643'   | 4,605'-4,665'                                  | 4,580'-4,627'  |
| 4,926'—   | 4,877'-N. R.                                  | 4,643'-N. R.  | 4,665'-4,698'                                  | 4,627'-N. R.   |
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| 4,928'  | 4,879'  | 4,651'  | 4,673'   | 4,632'   |
| Oriskany  | Oriskany                                      | Oriskany  | Oriskany                                       | Oriskany   |
| I. O. F. 3,300<br>Mcf. I. R. P.<br>1,160 Lbs.<br>*p<br>** | I. O. F. 8,000<br>Mcf. I. R. P.<br>1,800 Lbs. | I. O. F. 34,000<br>Mcf. I. R. P.<br>1,555 Lbs.<br>P. & A.<br>** | I. O. F. 22,000<br>Mcf. I. R. P.<br>1,400 Lbs. | I. O. F. 45,000<br>Mcf. I. R. P.<br>2,165 Lbs.<br>*<br>**<br>(*) |

| COUNTY         |                                | ALLEGANY                                       | ALLEGANY                   | ALLEGANY                                     | ALLEGANY                       |
|----------------|--------------------------------|--|----------------------------|--|--------------------------------|
| QUADRANGLE     |                                | Wellsville                                     | Wellsville                 | Wellsville                                   | Wellsville                     |
| MAP NUMBER     |                                | 25   | 26                         | 27   | 28                             |
| NAME OF WELL   |                                | H. Colgan<br>No. 1                             | W. Burns<br>No. 1          | Empire-Rogers<br>No. 1                       | M. Costello                    |
| OPERATOR       |                                | Cunningham<br>Nat. Gas Co.                     | J. W. Becker<br>et al.     | G. L. Cabot,<br>Inc.                         | Empire Gas &<br>Fuel Co., Ltd. |
| TOWNSHIP       |                                | Alma   | Alma                       | Alma   | Willing                        |
| LATITUDE       |                                | 29,400' South<br>of 42° 05'                    | 2,900' South<br>of 42° 05' | 29,850' South<br>of 42° 05'                  | 23,500' South<br>of 42° 05'    |
| LONGITUDE      |                                | 13,900' West<br>of 77° 55'                     | 11,400' West<br>of 77° 55' | 19,900' West<br>of 77° 55'                   | 8,700' West<br>of 77° 55'      |
| DATE COMPLETED |                                | 1935   | 1935                       | 1938   | 1935                           |
| ELEVATION      |                                | 1,954'   | 1,977'                     | 2,192'                                       | 2,008'                         |
| TULLY          |                                | 4,000'?—                                       | 4,045'—                    | 4,292'—4,353'                                |                                |
| ONONDAGA       |                                | 4,582'—4,609'                                  | 4,750'—4,830'              | 4,863'—4,905'                                | 4,704'—4,742'                  |
| ORISKANY       |                                | 4,609'—  | 4,830'—                    | 4,905'—N. R.                                 | 4,742'—                        |
| SALT ZONE      |                                |  |                            |  |                                |
| LOCKPORT       |                                |  |                            |  |                                |
| MEDINAN        | RED<br>MEDINA<br>(GRIMSBY)     |  |                            |  |                                |
|                | WHITE<br>MEDINA<br>(WHIRLPOOL) |  |                            |  |                                |
| QUEENSTON      |                                |  |                            |  |                                |
| OSWEGO         |                                |  |                            |  |                                |
| TRENTON        |                                |  |                            |  |                                |
| POTSDAM        |                                |  |                            |  |                                |
| PRECAMBRIAN    |                                |  |                            |  |                                |
| TOTAL DEPTH    |                                | 4,611'   | 4,847'                     | 4,924'                                       | 4,744'                         |
| DEEPEST FM.    |                                | Oriskany                                       | Oriskany                   | Oriskany                                     | Oriskany                       |
| REMARKS        |                                | I. O. F. 25,000<br>Mcf. I. R. P.<br>1,995 Lbs. | S. W.<br>P. & A.           | I. O. F. 18,000<br>Mcf. I. R. P.<br>600 Lbs. | I. O. F. 7,500<br>Mcf.         |



| ALLEGANY                      | ALLEGANY                         | ALLEGANY                    | ALLEGANY                    | ALLEGANY                       |
|-------------------------------|----------------------------------|-----------------------------|-----------------------------|--------------------------------|
| Wellsville                    | Wellsville                       | Wellsville                  | Wellsville                  | Wellsville                     |
| 29                            | 30                               | 31                          | 32                          | 33                             |
| C. Moynihan<br>No. 1          | D. Barber<br>No. 1               | C. Regan<br>No. 2           | P. O'Donnell<br>No. 1       | J. Ryan<br>No. 1               |
| G. L. Cabot,<br>Inc.          | G. L. Cabot,<br>Inc.             | Cunningham<br>Nat. Gas Co.  | G. L. Cabot,<br>Inc.        | Empire Gas &<br>Fuel Co., Ltd. |
| Willing                       | Willing                          | Willing                     | Willing                     | Willing                        |
| 23,250' South<br>of 42° 05'   | 20,950' South<br>of 42° 05'      | 26,500' South<br>of 42° 05' | 26,500' South<br>of 42° 05' | 24,950' South<br>of 42° 05'    |
| 5,500' West<br>of 77° 55'     | 2,500' West<br>of 77° 55'        | 8,300' West<br>of 77° 55'   | 4,300' West<br>of 77° 55'   | 1,300' West<br>of 77° 55'      |
| 1935                          | 1939                             | 1935                        | 1936                        | 1934                           |
| 1,723'                        | 1,645'                           | 2,102'                      | 2,167'                      | 2,074'                         |
| 3,824' —                      | 3,783'—3,836'                    | 4,141' —                    | 4,300' —                    | 4,240' —                       |
| 4,403'—4,436'                 | 4,376'—4,416'                    | 4,718'—4,750'               | 4,896'—4,929'               | 4,795'—4,825'                  |
| 4,436' —                      | 4,416' —                         | 4,750' —                    | 4,929' —                    | 4,825'—N. R.                   |
|                               |                                  |                             |                             |                                |
|                               |                                  |                             |                             |                                |
|                               |                                  |                             |                             |                                |
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|                               |                                  |                             |                             |                                |
|                               |                                  |                             |                             |                                |
|                               |                                  |                             |                             |                                |
| 4,444'                        | 4,424'                           | 4,757'                      | 4,931'                      | 4,830'                         |
| Oriskany                      | Oriskany                         | Oriskany                    | Oriskany                    | Oriskany                       |
| I. O. F. 30,000<br>Mcf.<br>** | Show of gas.<br>S. W.<br>P. & A. | I. O. F. 38,000<br>Mcf.     | I. O. F. 11,500<br>Mcf.     | S. W.                          |

| COUNTY         |                                | ALLEGANY                                  | ALLEGANY                       | ALLEGANY                    | ALLEGANY                    |
|----------------|--------------------------------|---|--------------------------------|-----------------------------|-----------------------------|
| QUADRANGLE     |                                | Wellsville                                | Wellsville                     | Wellsville                  | Wellsville                  |
| MAP NUMBER     |                                | 34  | 35                             | 36                          | 37                          |
| NAME OF WELL   |                                | T. Maxwell<br>No. 1                       | H. Searer<br>No. 1             | M. Loring<br>No. 1          | W. Borrows<br>No. 1         |
| OPERATOR       |                                | Cunningham<br>Nat. Gas Co.                | Empire Gas &<br>Fuel Co., Ltd. | Shrack                      | Cunningham<br>& Coyle       |
| TOWNSHIP       |                                | Willing                                   | Willing                        | Willing                     | Willing                     |
| LATITUDE       |                                | 29,350' South<br>of 42° 05'               | 5,500' South<br>of 42° 05'     | 12,400' South<br>of 42° 05' | 14,450' South<br>of 42° 05' |
| LONGITUDE      |                                | 7,350' West<br>of 77° 55'                 | 6,000' West<br>of 77° 50'      | 16,700' West<br>of 77° 50'  | 16,000' West<br>of 77° 50'  |
| DATE COMPLETED |                                | 1935                                      | 1946                           | 1935                        | 1944                        |
| ELEVATION      |                                | 2,188'                                    | 2,057'                         | 1,855'                      | 2,082'                      |
| TULLY          |                                | 4,262' —                                  | 4,138'—4,195'                  | 4,041'—4,091'               | 4,257'—4,308'               |
| ONONDAGA       |                                | 4,836'—4,884'                             | 4,735'—4,778'                  | 4,627'—4,668'               | 4,844'—4,883'               |
| ORISKANY       |                                | 4,884' —                                  | 4,778' —                       | 4,668' —                    | 4,883' —                    |
| SALT ZONE      |                                |   |                                |                             |                             |
| LOCKPORT       |                                |   |                                |                             |                             |
| MEDINAN        | RED<br>MEDINA<br>(GRIMSBY)     |   |                                |                             |                             |
|                | WHITE<br>MEDINA<br>(WHIRLPOOL) |   |                                |                             |                             |
| QUEENSTON      |                                |   |                                |                             |                             |
| OSWEGO         |                                |   |                                |                             |                             |
| TRENTON        |                                |   |                                |                             |                             |
| POTSDAM        |                                |   |                                |                             |                             |
| PRECAMBRIAN    |                                |   |                                |                             |                             |
| TOTAL DEPTH    |                                | 4,889'                                    | 4,783'                         | 4,672'                      | 4,887'                      |
| DEEPEST FM.    |                                | Oriskany                                  | Oriskany                       | Oriskany                    | Oriskany                    |
| REMARKS        |                                | Gas at 4,886'.<br>I. O. F. 13,000<br>Mcf. | S. W.<br>P. & A.               | S. W.<br>P. & A.            | S. W.<br>P. & A.            |

| ALLEGANY                    | ALLEGANY  | ALLEGANY                               | ALLEGANY   | ALLEGANY                       |
|-----------------------------|---|--|--|--------------------------------|
| Wellsville                  | Wellsville  | Wellsville                             | Wellsville   | Wellsville                     |
| 38                          | 39  | 40                                     | 41   | 42                             |
| Johnson Est.<br>No. 1       | C. Johnson<br>No. 1                                       | C. Wilson<br>No. 1                     | F. Cornelius<br>No. 1  | F. Wilson<br>No. 1             |
| Southwestern<br>Dev. Co.    | Cunningham<br>Nat. Gas Co.                                | B. Q. D. C. —<br>Fairman Bros.         | Empire Gas &<br>Fuel Co., Ltd.                                 | Empire Gas &<br>Fuel Co., Ltd. |
| Willing                     | Willing   | Willing                                | Willing  | Willing                        |
| 19,000' South<br>of 42° 05' | 16,200' South<br>of 42° 05'                               | 12,900' South<br>of 42° 05'            | 13,000' South<br>of 42° 05'                                    | 12,750' South<br>of 42° 05'    |
| 15,100' West<br>of 77° 50'  | 13,550' West<br>of 77° 50'                                | 7,600' West<br>of 77° 50'              | 5,000' West<br>of 77° 50'                                      | 2,050' West<br>of 77° 50'      |
| 1938                        | 1943  | 1937                                   | 1940   | 1938                           |
| 2,015'                      | 2,191'  | 2,288'                                 | 2,275'   | 2,220'                         |
| 4,113'—4,172'               | 4,248'—4,295'   | 4,336'—4,379'                          | 4,307'—4,351'  | 4,253'—4,298'                  |
| 4,703'—4,741'               | 4,888'—4,895'   | 4,938'—4,984'                          | 4,899'—4,949'  | 4,847'—4,903'                  |
| 4,741'—                     | 4,895'—   | 4,984'—N. R.                           | 4,949'—  | 4,903'—N. R.                   |
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|                             |   |  |  |                                |
| 4,745'                      | 4,897'  | 4,991'                                 | 4,952'   | 4,907'                         |
| Oriskany                    | Oriskany  | Oriskany                               | Oriskany   | Oriskany                       |
| S. W.<br>P. & A.            | Gas at 4,895'.<br>I. O. F. 36<br>Mcf.<br>S. W.<br>P. & A. | Gas at 4,988'.<br>I. O. F. 100<br>Mcf. | Gas at 4,950'.<br>I. O. F. 9,700'<br>Mcf. I. R. P.<br>625 Lbs. | Gas at 4,907'.                 |

| COUNTY         |                                | ALLEGANY  | ALLEGANY                                | ALLEGANY                    | ALLEGANY   |
|----------------|--------------------------------|---|---|-----------------------------|--|
| QUADRANGLE     |                                | Wellsville  | Wellsville                              | Wellsville                  | Wellsville   |
| MAP NUMBER     |                                | 43  | 44                                      | 45                          | 46   |
| NAME OF WELL   |                                | F. Wilson<br>No. 2  | M. Sweeney<br>No. 2                     | P. Ludden<br>No. 2          | Riley Bros.  |
| OPERATOR       |                                | Empire Gas &<br>Fuel Co., Ltd.                                  | Cunningham<br>Nat. Gas Co.              | Cunningham<br>Nat. Gas Co.  | J. Becker  |
| TOWNSHIP       |                                | Willing   | Willing                                 | Willing                     | Willing  |
| LATITUDE       |                                | 12,100' South<br>of 42° 05'                                     | 13,150' North<br>of 42° 00'             | 15,400' South<br>of 42° 05' | 17,250' South<br>of 42° 05'                          |
| LONGITUDE      |                                | 3,050' West<br>of 77° 50'                                       | 8,300' West<br>of 77° 50'               | 4,350' West<br>of 77° 50'   | 5,550' West<br>of 77° 50'                            |
| DATE COMPLETED |                                |   | 1950                                    | 1941                        | 1938   |
| ELEVATION      |                                | 2,232'  | 2,200'                                  | 2,279'                      | 2,206'   |
| TULLY          |                                | 4,278'-4,323'   | 4,241'-4,296'                           | 4,328'-4,376'               | 4,256'—  |
| ONONDAGA       |                                | 4,872'-4,920'   | 4,840'—                                 | 4,945'-4,991'               | 4,858'-4,903'  |
| ORISKANY       |                                | 4,920'—   |   | 4,991'—                     | 4,904'-N. R.   |
| SALT ZONE      |                                |   |   |                             |  |
| LOCKPORT       |                                |   |   |                             |  |
| MEDINAN        | RED<br>MEDINA<br>(GRIMSBY)     |   |   |                             |  |
|                | WHITE<br>MEDINA<br>(WHIRLPOOL) |   |   |                             |  |
| QUEENSTON      |                                |   |   |                             |  |
| OSWEGO         |                                |   |   |                             |  |
| TRENTON        |                                |   |   |                             |  |
| POTSDAM        |                                |   |   |                             |  |
| PRECAMBRIAN    |                                |   |   |                             |  |
| TOTAL DEPTH    |                                | 4,924'  | 4,889'                                  | 4,995'                      | 4,911'   |
| DEEPEST FM.    |                                | Oriskany  | Oriskany                                | Oriskany                    | Oriskany   |
| REMARKS        |                                | Gas at 4,923'.<br>I. O. F. 9,000<br>Mcf. I. R. P.<br>1,440 Lbs. | Unreliable<br>data.<br>S. W.<br>P. & A. | I. O. F. 250<br>Mcf.        | I. O. F. 150<br>Mcf.<br>S. W.<br>P. & A.<br>**<br>*p |



| ALLEGANY                         | ALLEGANY                       | ALLEGANY  | ALLEGANY   | ALLEGANY                       |
|----------------------------------|--------------------------------|---|--|--------------------------------|
| Wellsville                       | Wellsville                     | Wellsville  | Wellsville   | Wellsville                     |
| 47                               | 48                             | 49  | 50   | 51                             |
| J. Clark Est.<br>No. 1           | C. Graves<br>No. 1             | H. Atwood<br>No. 1  | S. Crandall<br>No. 2   | E. Green<br>No. 1              |
| Empire Gas &<br>Fuel Co., Ltd.   | Empire Gas &<br>Fuel Co., Ltd. | Empire Gas &<br>Fuel Co., Ltd.                                  | Empire Gas &<br>Fuel Co., Ltd.   | Empire Gas &<br>Fuel Co., Ltd. |
| Independence                     | Independence                   | Independence  | Independence   | Independence                   |
| 10,900' South<br>of 42° 05'      | 13,700' South<br>of 42° 05'    | 23,600' South<br>of 42° 10'                                     | 24,100' South<br>of 42° 10'  | 6,400' North<br>of 42° 05'     |
| 400' West<br>of 77° 50'          | 150' West<br>of 77° 50'        | 6,700' West<br>of 77° 45'                                       | 4,200' West<br>of 77° 45'  | 2,300' West<br>of 77° 45'      |
| 1944                             | 1947                           | 1940  | 1940   | 1945                           |
| 2,189'                           | 2,183'                         | 2,292'  | 2,214' D. F.   | 2,293'                         |
| 4,232'-4,285'                    | 4,260'-4,308'                  | 4,264'-4,300'   | 4,205'-4,247'<br>4,279'-4,323'   | 4,339' —                       |
| 4,833'-4,875'                    | 5,148'-5,213'                  | 4,873'-4,919'   | 5,014'-5,058'  | 4,967' —                       |
| 4,878' —                         | 5,213' —                       | 4,919'-N. R.  | 5,058'-5,065'+   | 5,015' —                       |
|                                  |                                |   |  |                                |
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|                                  |                                |   |  |                                |
| 4,879'                           | 5,219'                         | 4,922'  | 5,065'   | 5,020.5'                       |
| Oriskany                         | Oriskany                       | Oriskany  | Oriskany   | Oriskany                       |
| Show of gas.<br>S. W.<br>P. & A. | S. W.<br>P. & A.<br>*<br>**    | Gas at 4,922'.<br>I. O. F. 6,500<br>Mcf. I. R. P.<br>1,800 Lbs. | Production<br>from Tully<br>105 Mcf. of<br>gas at 4,283'-<br>4,290'.<br>Salt water<br>in Oriskany.<br>Discovery<br>well of<br>Independence<br>Field. | S. W.                          |

| COUNTY         |                                | ALLEGANY  | ALLEGANY                    | ALLEGANY  | ALLEGANY                                       |
|----------------|--------------------------------|---|-----------------------------|---|--|
| QUADRANGLE     |                                | Wellsville  | Wellsville                  | Wellsville  | Wellsville                                     |
| MAP NUMBER     |                                | 52  | 53                          | 54  | 55   |
| NAME OF WELL   |                                | T. Hazelton<br>No. 1  | R. Clark<br>No. 1           | J. Nye<br>No. 1   | J. Lewis<br>No. 2                              |
| OPERATOR       |                                | B. Q. D. C.   | B. Q. D. C.                 | Empire Gas &<br>Fuel Co., Ltd.                                  | Empire Gas &<br>Fuel Co., Ltd.                 |
| TOWNSHIP       |                                | Independence  | Independence                | Independence  | Independence                                   |
| LATITUDE       |                                | 27,800' South<br>of 42° 10'                                       | 28,300' South<br>of 42° 10' | 700' South<br>of 42° 05'  | 925' North<br>of 42° 05'                       |
| LONGITUDE      |                                | 8,000' West<br>of 77° 45'   | 4,300' West<br>of 77° 45'   | 14,700' West<br>of 77° 45'                                      | 11,375' West<br>of 77° 45'                     |
| DATE COMPLETED |                                | 1939  | 1934                        | 1940  | 1947   |
| ELEVATION      |                                | 2,152'  | 2,288'                      | 1,948'  | 2,083' D. F.                                   |
| TULLY          |                                | 4,151'—4,203'   | 4,306'—4,359'               | 3,958'—4,008'   | 4,074'—4,114'                                  |
| ONONDAGA       |                                | 4,777'—4,835'   | 4,991'—5,042'               | 4,558'—4,610'   | 4,684'—4,728'                                  |
| ORISKANY       |                                | 4,835'—   | 5,042'—N. R.                | 4,610'—   | 4,728'—  |
| SALT ZONE      |                                |   |                             |   |  |
| LOCKPORT       |                                |   |                             |   |  |
| MEDINAN        | RED<br>MEDINA<br>(GRIMSBY)     |   |                             |   |  |
|                | WHITE<br>MEDINA<br>(WHIRLPOOL) |   |                             |   |  |
| QUEENSTON      |                                |   |                             |   |  |
| OSWEGO         |                                |   |                             |   |  |
| TRENTON        |                                |   |                             |   |  |
| POTSDAM        |                                |   |                             |   |  |
| PRECAMBRIAN    |                                |   |                             |   |  |
| TOTAL DEPTH    |                                | 4,840'  | 5,052'                      | 4,612'  | 4,731'   |
| DEEPEST FM.    |                                | Oriskany  | Oriskany                    | Oriskany  | Oriskany                                       |
| REMARKS        |                                | I. O. F. 1,000<br>Mcf. I. R. P.<br>1,645 Lbs.<br>S. W.<br>P. & A. | S. W.                       | Gas at 4,612'.<br>I. O. F. 8,000<br>Mcf. I. R. P.<br>1,770 Lbs. | I. O. F. 13,000<br>Mcf. I. R. P.<br>1,220 Lbs. |

| ALLEGANY                       | ALLEGANY                       | ALLEGANY   | ALLEGANY   | ALLEGANY  |
|--------------------------------|--------------------------------|--|--|---|
| Wellsville                     | Wellsville                     | Wellsville   | Wellsville   | Wellsville  |
| 56                             | 57                             | 58   | 59   | 60  |
| M. Bassett<br>No. 1            | O. Potter<br>No. 2             | Livermore<br>No. 1   | H. Miller<br>No. 1                                   | Forsythe Est.<br>No. 1                                  |
| Empire Gas &<br>Fuel Co., Ltd. | Empire Gas &<br>Fuel Co., Ltd. | B. Q. D. C.  | B. Q. D. C.  | Penn York<br>Nat. Gas Co.                               |
| Independence                   | Independence                   | Independence   | Independence   | Independence  |
| 1,550' South<br>of 42° 05'     | 600' South<br>of 42° 05'       | 28,500' North<br>of 42° 00'                                  | 5,400' South<br>of 42° 05'                           | 5,200' South<br>of 42° 05'                              |
| 8,700' West<br>of 77° 45'      | 5,100' West<br>of 77° 45'      | 11,600' West<br>of 77° 45'                                   | 15,000' West<br>of 77° 45'                           | 6,400' West<br>of 77° 45'                               |
| 1941                           | 1947                           | 1938   | 1942   | 1940  |
| 2,188'                         | 2,284' D. F.                   | 2,039'   | 2,204'   | 2,256'  |
| 4,272'-4,322'                  | 4,346'-4,594'                  | 4,095'-4,150'  | 4,268' —   | 4,350'-4,397'   |
| 4,899'-4,937'                  | 4,979'-5,026'                  | 4,703'-4,753'  | 4,864'-4,913'  | 4,973'-5,035'   |
| 4,937' —                       | 5,026' —                       | 4,753' —   | 4,913' —   | 5,035'-N. R.  |
|                                |                                |  |  |   |
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|                                |                                |  |  |   |
| 4,943'                         | 5,035'                         | 4,754'   | 4,916'   | 5,042'  |
| Oriskany                       | Oriskany                       | Oriskany   | Oriskany   | Oriskany  |
| S. W.<br>P. & A.               | P. & A.                        | Gas at 4,753'.<br>I. O. F. 12 Mcf.<br>I. R. P. 1,985<br>Lbs. | I. O. F. 14 Mcf.<br>I. R. P. 470<br>Lbs. S. W.<br>** | 3,000' column<br>of salt water<br>at 5,042'.<br>P. & A. |

| COUNTY         |                                | ALLEGANY  | ALLEGANY                                    | ALLEGANY                        | ALLEGANY   |
|----------------|--------------------------------|---|---|---------------------------------|--|
| QUADRANGLE     |                                | Wellsville  | Wellsville                                  | Wellsville                      | Wellsville                                       |
| MAP NUMBER     |                                | 61  | 62  | 63                              | 64   |
| NAME OF WELL   |                                | Billings<br>No. 1   | McLean<br>No. 1                             | C. Rigby<br>No. 1               | C. Baham<br>No. 1                                |
| OPERATOR       |                                | B. Q. D. C.   | Empire Gas &<br>Fuel Co., Ltd.              | Van Gilder                      | B. Q. D. C.                                      |
| TOWNSHIP       |                                | Independence  | Independence                                | Independence                    | Independence                                     |
| LATITUDE       |                                | 8,850' South<br>of 42° 05'                                    | 8,900' South<br>of 42° 05'                  | 28,500' South<br>of 42° 05'     | 25,850' South<br>of 42° 05'                      |
| LONGITUDE      |                                | 19,750' West<br>of 77° 45'                                    | 17,500' West<br>of 77° 45'                  | 13,700' West<br>of 77° 45'      | 8,100' West<br>of 77° 45'                        |
| DATE COMPLETED |                                | 1938  | 1940  | 1939                            | 1939   |
| ELEVATION      |                                | 2,199'  | 2,226'                                      | 2,269'                          | 2,209'   |
| TULLY          |                                | 4,265'-4,320'   | 4,290'-4,343'                               | 4,856'-4,903'                   | 4,704'-4,759'                                    |
| ONONDAGA       |                                | 4,859'-4,915'   | 4,904'-4,942'                               | 5,471'-5,509'                   | 5,332'-5,370'                                    |
| ORISKANY       |                                | 4,915'—   | 4,942'—N. R.                                | 5,509'—N. R.                    | 5,370'—  |
| SALT ZONE      |                                |   |   |                                 |  |
| LOCKPORT       |                                |   |   |                                 |  |
| MEDINAN        | RED<br>MEDINA<br>(GRIMSBY)     |   |   |                                 |  |
|                | WHITE<br>MEDINA<br>(WHIRLPOOL) |   |   |                                 |  |
| QUEENSTON      |                                |   |   |                                 |  |
| OSWEGO         |                                |   |   |                                 |  |
| TRENTON        |                                |   |   |                                 |  |
| POTSDAM        |                                |   |   |                                 |  |
| PRECAMBRIAN    |                                |   |   |                                 |  |
| TOTAL DEPTH    |                                | 4,922'  | 4,945'                                      | 5,513'                          | 5,373'   |
| DEEPEST FM.    |                                | Oriskany  | Oriskany                                    | Oriskany                        | Oriskany   |
| REMARKS        |                                | Show of gas<br>at 4,917'.<br>750' salt<br>water at<br>4,918'. | No gas. 600'<br>of salt water<br>at 4,945'. | S. W. Tight<br>sand.<br>P. & A. | 160' S. W.<br>in 2 hrs.<br>at 5,371'.<br>P. & A. |



## NEW YORK

TABLE I (Cont.)

| ALLEGANY                          | ALLEGANY  | ALLEGANY  | ALLEGANY   | ALLEGANY   |
|-----------------------------------|---|---|--|--|
| Wellsville                        | Wellsville  | Wellsville  | Wellsville   | Wellsville   |
| 65                                | 66  | 67  | 68   | 69   |
| L. Harris et al.                  | O. A. Potter No. 1  | Merle Slack   | Kate Clark   | S. Crandall No. 1  |
| Felmont Oil Corp. & Donovan, Inc. | Empire Gas & Fuel Co., Ltd.   | Norton-Lauze-Perrott (Valley Prod. Co.)                       | G. L. Cabot, Inc.                                      | Empire Gas & Fuel Co., Ltd.  |
| Independence                      | Independence  | Independence  | Willing  | Independence   |
| 15,900' South of 42° 05'          | 1,900' South of 42° 05'   | 11,100' North of 42° 00'                                      | 10,700' North of 42° 05'                               | 23,800' South of 42° 10'   |
| 1,700' West of 77° 50'            | 5,600' West of 77° 45'  | 12,200' West of 77° 45'                                       | 2,500' West of 77° 50'                                 | 5,000' West of 77° 45'   |
|                                   | 3/21/42   | 8/8/54  | 9/17/39  | 5/8/40   |
|                                   | 2,197'  | 1,630' Topo.  | 2,150'   | 2,284' D. F.   |
|                                   | 4,270'-4,321'   |   | 4,191'-4,238'  | 4,248'-4,282'  |
|                                   | 4,890'-4,942'   |   | 4,781'-4,848'  | 4,879'-4,912'  |
|                                   | 4,942' -  |   | 4,848' -   | 4,912'-4,923'+   |
|                                   |   |   |  |  |
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|                                   |   |   |  |  |
|                                   | 4,952.5'  | 1,107'  | 4,853'   | 4,923'   |
|                                   | Oriskany  | post-Tully  | Oriskany   | Oriskany   |
| Location abandoned.               | 28 Mcf. of gas with S. W. at 4,949'. Show of oil & gas at 2,379'-2,464'. Plugged back to 2,700' and made into oil well. | Shallow well drilled in old Cryder Creek pool. 20 Mcf. gas. * | 100 Mcf. at 4,851'. I. R. P. 100 Lbs. S. W. at 4,853'. | Discovery well of North Independence field. 1,500 Mcf. of gas at 4,912'. I. R. P. 1,625 Lbs. |

| COUNTY         |                                | ALLEGANY                   | ALLEGANY                   | ALLEGANY                         | ALLEGANY                         |
|----------------|--------------------------------|----------------------------|----------------------------|----------------------------------|----------------------------------|
| QUADRANGLE     |                                | Belmont                    | Belmont                    | Belmont                          | Belmont                          |
| MAP NUMBER     |                                | 1                          | 2                          | 3                                | 4                                |
| NAME OF WELL   |                                | A. & R. Amsden<br>No. 1    | N. Ungerman<br>No. 1       | J. Plummer<br>No. 2              | J. Plummer<br>No. 1              |
| OPERATOR       |                                | C. Fralich                 | C. Fralich                 | Beers &<br>Fralich               | Beers &<br>Fralich               |
| TOWNSHIP       |                                | Cuba                       | Cuba                       | Friendship                       | Friendship                       |
| LATITUDE       |                                | 3,050' South<br>of 42° 15' | 4,900' South<br>of 42° 15' | 8,400' South<br>of 42° 15'       | 8,300' South<br>of 42° 15'       |
| LONGITUDE      |                                | 1,500' East<br>of 78° 15'  | 21,800' West<br>of 78° 10' | 9,400' West<br>of 78° 05'        | 8,000' West<br>of 78° 05'        |
| DATE COMPLETED |                                | 1952                       | 1952                       | 1953                             | 1953                             |
| ELEVATION      |                                | 1,664' D. F.               | 1,884' D. F.               | 1,801'                           | 1,877'                           |
| TULLY          |                                |                            |                            |                                  |                                  |
| ONONDAGA       |                                |                            |                            |                                  |                                  |
| ORISKANY       |                                |                            |                            |                                  |                                  |
| SALT ZONE      |                                |                            |                            |                                  |                                  |
| LOCKPORT       |                                |                            |                            |                                  |                                  |
| MEDINAN        | RED<br>MEDINA<br>(GRIMSBY)     |                            |                            |                                  |                                  |
|                | WHITE<br>MEDINA<br>(WHIRLPOOL) |                            |                            |                                  |                                  |
| QUEENSTON      |                                |                            |                            |                                  |                                  |
| OSWEGO         |                                |                            |                            |                                  |                                  |
| TRENTON        |                                |                            |                            |                                  |                                  |
| POTSDAM        |                                |                            |                            |                                  |                                  |
| PRECAMBRIAN    |                                |                            |                            |                                  |                                  |
| TOTAL DEPTH    |                                | 1,546'                     | 1,475'                     | 782'                             | 775.7'                           |
| DEEPEST FM.    |                                | post-Tully                 | post-Tully                 | post-Tully                       | post-Tully                       |
| REMARKS        |                                | Dry.                       | Dry.<br>*                  | Show of oil.<br>Abandoned.<br>** | Show of oil.<br>Abandoned.<br>** |

| ALLEGANY                    | ALLEGANY                    | ALLEGANY                               | ALLEGANY                   | ALLEGANY                       |
|-----------------------------|-----------------------------|--|----------------------------|--------------------------------|
| Belmont                     | Belmont                     | Belmont                                | Belmont                    | Belmont                        |
| 5                           | 6                           | 7                                      | 8                          | 9                              |
| Scott<br>No. 1              | Thurston<br>No. 1           | R. Youmans<br>No. 1                    | W. Watson<br>No. 1         | G. Hackett<br>No. 1            |
| B. Q. D. C.                 | Stengel                     | Tide Water, S. Penn<br>& Sloane & Zook | B. Q. D. C.                | Empire Gas &<br>Fuel Co., Ltd. |
| Friendship                  | Friendship                  | Friendship                             | Friendship                 | Friendship                     |
| 11,800' South<br>of 42° 15' | 11,900' South<br>of 42° 10' | 23,600' South<br>of 42° 15'            | 5,900' North<br>of 42° 10' | 24,850' South<br>of 42° 15'    |
| 300' West<br>of 78° 05'     | 1,800' West<br>of 78° 05'   | 12,100' West<br>of 78° 05'             | 7,400' West<br>of 78° 05'  | 21,550' West<br>of 78° 00'     |
| 1937                        | 1953                        | 1947                                   | 1937                       | 1945                           |
| 1,672'                      | 1,800'                      | 2,036'                                 | 1,940'                     | 2,085'                         |
|                             |                             |  |                            | 3,743'-3,786'                  |
|                             |                             |  |                            | 4,288'-4,343'                  |
|                             |                             |  |                            | 4,343'-4,363'                  |
|                             |                             |  |                            |                                |
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|                             |                             |  |                            |                                |
| 1,465'                      | 910'                        | 1,510'                                 | 1,510'                     | 4,371'                         |
| post-Tully                  | post-Tully                  | post-Tully                             | post-Tully                 | Oriskany                       |
| Show of gas<br>at 780'.     | Dry.                        | Dry.<br>*                              | Show of gas<br>at 1,215'.  | D. & A.                        |

| COUNTY         |                                | ALLEGANY                   | ALLEGANY                   | ALLEGANY                   | ALLEGANY                    |
|----------------|--------------------------------|----------------------------|----------------------------|----------------------------|-----------------------------|
| QUADRANGLE     |                                | Belmont                    | Belmont                    | Belmont                    | Belmont                     |
| MAP NUMBER     |                                | 10                         | 11                         | 12                         | 13                          |
| NAME OF WELL   |                                | Truby<br>No. 1             | C. Hanchett<br>No. 1       | D. Cooper<br>No. 1         | F. Carpenter<br>No. 1       |
| OPERATOR       |                                | Brown, et al.              | C. Fralich                 | C. Fralich                 | Whitner Oil<br>& Gas Co.    |
| TOWNSHIP       |                                | Friendship                 | Amity                      | Amity                      | Amity                       |
| LATITUDE       |                                | 3,350' North<br>of 42° 10' | 2,400' South<br>of 42° 15' | 8,100' South<br>of 42° 15' | 13,000' South<br>of 42° 15' |
| LONGITUDE      |                                | 8,800' East<br>of 78° 10'  | 16,700' West<br>of 78° 00' | 18,400' West<br>of 78° 00' | On<br>78° 00'               |
| DATE COMPLETED |                                | 1949                       | 1951                       | 1951                       | 1936                        |
| ELEVATION      |                                | 1,790' D. F.               | 1,633' D. F.               | 1,549' D. F.               | 1,785'                      |
| TULLY          |                                | 3,555'–3,601'              |                            |                            |                             |
| ONONDAGA       |                                |                            |                            |                            | 3,879'–3,935'               |
| ORISKANY       |                                |                            |                            |                            | 3,935' –                    |
| SALT ZONE      |                                |                            |                            |                            |                             |
| LOCKPORT       |                                |                            |                            |                            |                             |
| MEDINAN        | RED<br>MEDINA<br>(GRIMSBY)     |                            |                            |                            |                             |
|                | WHITE<br>MEDINA<br>(WHIRLPOOL) |                            |                            |                            |                             |
| QUEENSTON      |                                |                            |                            |                            |                             |
| OSWEGO         |                                |                            |                            |                            |                             |
| TRENTON        |                                |                            |                            |                            |                             |
| POTSDAM        |                                |                            |                            |                            |                             |
| PRECAMBRIAN    |                                |                            |                            |                            |                             |
| TOTAL DEPTH    |                                | 3,678'                     | 747'                       | 500'                       | 3,956'                      |
| DEEPEST FM.    |                                | Tully                      | post-Tully                 | post-Tully                 | Oriskany                    |
| REMARKS        |                                | Dry.<br>P. & A.            | Dry.                       | Dry.                       | S. W. in<br>Oriskany.       |



| ALLEGANY                          | ALLEGANY                    | ALLEGANY   | ALLEGANY                    | ALLEGANY                   |
|-----------------------------------|-----------------------------|--|-----------------------------|----------------------------|
| Belmont                           | Belmont                     | Belmont  | Belmont                     | Belmont                    |
| 14                                | 15                          | 16   | 17                          | 18                         |
| Francisco<br>No. 1                | Carpenter<br>No. 2          | Carpenter<br>No. 1                               | E. Gillette                 | N. Y. Emerick<br>No. 1     |
| Thornton Co.                      | Thornton Co.                | Thornton Co.                                     | G. L. Cabot,<br>Inc.        | H. Patterson               |
| Amity                             | Amity                       | Amity  | Amity                       | Amity                      |
| 11,050' North<br>of 42° 10'       | 10,680' North<br>of 42° 10' | 9,620' North<br>of 42° 20'                       | 26,500' South<br>of 42° 15' | 6,100' North<br>of 42° 10' |
| 5,250' West<br>of 78° 00'         | 3,160' West<br>of 78° 00'   | 4,220' West<br>of 78° 00'                        | 19,900' West<br>of 78° 00'  | 10,400' West<br>of 78° 00' |
| 1953                              | 1953                        | 1953   | 1936                        | 1951                       |
| 1,815'                            | 1,530'                      | 1,715'   | 1,931'                      | 2,071' D. F.               |
|                                   |                             |  | 3,623'-3,683'               |                            |
|                                   |                             |  | 4,144'-4,213'               |                            |
|                                   |                             |  | 4,213'-4,227'               |                            |
|                                   |                             |  |                             |                            |
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|                                   |                             |  |                             |                            |
| 2,006'                            | 737.5'                      | 1,172'   | 4,354'                      | 986'                       |
| post-Tully                        | post-Tully                  | post-Tully                                       | Oriskany                    | post-Tully                 |
| Show of oil<br>& S. W.<br>P. & A. | Show of oil.<br>P. & A.     | Show of oil<br>& gas at<br>560'-565'.<br>P. & A. | D. & A.                     | S. W.<br>P. & A.           |

| COUNTY         |                                | ALLEGANY                   | ALLEGANY  | ALLEGANY                    | ALLEGANY                    |
|----------------|--------------------------------|----------------------------|---|-----------------------------|-----------------------------|
| QUADRANGLE     |                                | Belmont                    | Belmont   | Belmont                     | Belmont                     |
| MAP NUMBER     |                                | 19                         | 20  | 21                          | 22                          |
| NAME OF WELL   |                                | Briggs<br>No. 1            | L. Newton<br>No. 1  | Wightman<br>No. 1           | D. Reed<br>No. 1            |
| OPERATOR       |                                | Chautauqua<br>Holding Co.  | Cady, et al.  | B. Q. D. C.                 | B. Q. D. C.                 |
| TOWNSHIP       |                                | Clarksville                | Wirt  | Wirt                        | Wirt                        |
| LATITUDE       |                                | 3,250' South<br>of 42° 10' | 8,500' South<br>of 42° 10'  | 16,575' South<br>of 42° 10' | 16,350' South<br>of 42° 10' |
| LONGITUDE      |                                | 14,300' West<br>of 78° 10' | 1,850' West<br>of 78° 05'   | 16,500' West<br>of 78° 05'  | 12,400' West<br>of 78° 05'  |
| DATE COMPLETED |                                | 1929                       | 1929  | 1930                        | 1930                        |
| ELEVATION      |                                | 1,830'                     | 1,917'  | 2,216'                      | 2,130'                      |
| TULLY          |                                | 3,684'–3,705'              | 3,766'–3,808'   | 4,160' –                    | 4,062'–4,111'               |
| ONONDAGA       |                                |                            | 4,302'–4,390'   |                             | 4,650' –                    |
| ORISKANY       |                                |                            | 4,390'–4,395'   |                             |                             |
| SALT ZONE      |                                |                            | 4,794'–4,898'   |                             |                             |
| LOCKPORT       |                                |                            | 5,632'–5,880'   |                             |                             |
| MEDINAN        | RED<br>MEDINA<br>(GRIMSBY)     |                            | 5,890' –  |                             |                             |
|                | WHITE<br>MEDINA<br>(WHIRLPOOL) |                            | –5,995'   |                             |                             |
| QUEENSTON      |                                |                            | 6,018' –  |                             |                             |
| OSWEGO         |                                |                            |   |                             |                             |
| TRENTON        |                                |                            |   |                             |                             |
| POTSDAM        |                                |                            |   |                             |                             |
| PRECAMBRIAN    |                                |                            |   |                             |                             |
| TOTAL DEPTH    |                                | 4,010'                     | 6,500'  | 4,160'                      | 4,675'                      |
| DEEPEST FM.    |                                | Tully                      | Queenston   | Tully                       | Onondaga                    |
| REMARKS        |                                | P. & A.<br>**              | Show of gas<br>at 620'.<br>Richburg sand<br>905'–1,170'.<br>Waugh Porter<br>1,241'–1,276'.<br>Well abandoned. | P. & A.<br>**               | P. & A.<br>*                |

| ALLEGANY   | ALLEGANY                            | ALLEGANY                    | ALLEGANY                    | ALLEGANY   |
|--|-------------------------------------|-----------------------------|-----------------------------|--|
| Belmont  | Belmont                             | Belmont                     | Belmont                     | Belmont  |
| 23   | 24                                  | 25                          | 26                          | 27   |
| A. Gilbert<br>No. 1  | Ballard-Hazzard<br>No. 1            | R. Moore<br>No. 1           | F. Dick<br>No. 1            | F. Chadwick<br>No. 1   |
| B. Q. D. C.  | B. Q. D. C.                         | R. Moore                    | Richburg<br>Prod. Assn.     | B. Q. D. C. &<br>W. E. Sawyer  |
| Wirt   | Wirt                                | Wirt                        | Wirt                        | Wirt   |
| 17,200' South<br>of 42° 10'  | 21,000' South<br>of 42° 10'         | 21,025' South<br>of 42° 10' | 22,350' South<br>of 42° 10' | 25,950' South<br>of 42° 10'  |
| 16,900' West<br>of 78° 05'   | 3,100' West<br>of 78° 10'           | 15,850' West<br>of 78° 05'  | 17,600' West<br>of 78° 05'  | 1,650' West<br>of 78° 10'  |
| 1928   | 1933                                | 1929                        | 1929                        | 1929   |
| 2,072'   | 2,101'                              | 2,003'                      | 2,140'                      | 1,860'   |
| 3,990'-4,045'  | 4,005'-4,041'                       | 3,959'-3,993'               | 4,114'-4,141'               | 3,850'-3,882'  |
| 4,538'-4,630'  | 4,514'-4,568'                       |                             | 4,620'-4,688'               | 4,347'-4,433'  |
| 4,630'-4,638'  | 4,568'—                             |                             | 4,688'-4,692'               | 4,433'-4,438'  |
|  |                                     |                             |                             | 4,740'-4,811'  |
| 5,480'-5,776'  |                                     |                             |                             |  |
| 6,024'—  |                                     |                             |                             |  |
|  |                                     |                             |                             |  |
| —6,158'  |                                     |                             |                             |  |
| 6,158'—  |                                     |                             |                             |  |
|  |                                     |                             |                             |  |
|  |                                     |                             |                             |  |
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|  |                                     |                             |                             |  |
|  |                                     |                             |                             |  |
| 6,250'   | 4,615'                              | 4,130'                      | 4,750'                      | 4,850'   |
| Queenston  | Oriskany                            | Tully                       | Oriskany                    | Camillus   |
| Gas in Tully.<br>I. O. F. 4,500<br>Mcf. I. R. P.<br>1,860 Lbs.<br>** | Gas at 886'<br>& 1,170'.<br>P. & A. | P. & A.<br>**               | P. & A.<br>**               | Three gas<br>pockets in<br>Onondaga.<br>Plugged back<br>to Richburg<br>sand.<br>**<br>*P |

| COUNTY         |                                | ALLEGANY                   | ALLEGANY                   | ALLEGANY                             | ALLEGANY                            |
|----------------|--------------------------------|----------------------------|----------------------------|--------------------------------------|-------------------------------------|
| QUADRANGLE     |                                | Belmont                    | Belmont                    | Belmont                              | Belmont                             |
| MAP NUMBER     |                                | 28                         | 29                         | 30                                   | 31                                  |
| NAME OF WELL   |                                | F. O'Brien<br>No. 1        | DeForrest<br>Genung No. 1  | DeForrest<br>Genung No. 1            | J. Gadsby<br>No. 1                  |
| OPERATOR       |                                | C. Fralich                 | W. Gordon,<br>et al.       | Allegany Gas,<br>Hanley & Bird       | Allegany Gas<br>Co.                 |
| TOWNSHIP       |                                | Scio                       | Wellsville                 | Wellsville                           | Bolivar                             |
| LATITUDE       |                                | 2,350' South<br>of 42° 10' | 2,800' North<br>of 42° 05' | 28,100' South<br>of 42° 10'          | 28,175' South<br>of 42° 05'         |
| LONGITUDE      |                                | 4,350' West<br>of 78° 00'  | 2,400' West<br>of 78° 00'  | 1,200' West<br>of 78° 00'            | 17,200' West<br>of 78° 05'          |
| DATE COMPLETED |                                | 1951                       | 1951                       | 1943                                 | 1943                                |
| ELEVATION      |                                | 2,030' D. F.               | 2,025' Topo.               | 2,163'                               | 2,019'                              |
| TULLY          |                                |                            |                            | 4,312'-4,362'                        | 4,359'-4,403'                       |
| ONONDAGA       |                                |                            |                            | 4,870'-4,899'                        | 4,872'-4,932'                       |
| ORISKANY       |                                |                            |                            | 4,899' -                             |                                     |
| SALT ZONE      |                                |                            |                            |                                      |                                     |
| LOCKPORT       |                                |                            |                            |                                      |                                     |
| MEDINAN        | RED<br>MEDINA<br>(GRIMSBY)     |                            |                            |                                      |                                     |
|                | WHITE<br>MEDINA<br>(WHIRLPOOL) |                            |                            |                                      |                                     |
| QUEENSTON      |                                |                            |                            |                                      |                                     |
| OSWEGO         |                                |                            |                            |                                      |                                     |
| TRENTON        |                                |                            |                            |                                      |                                     |
| POTSDAM        |                                |                            |                            |                                      |                                     |
| PRECAMBRIAN    |                                |                            |                            |                                      |                                     |
| TOTAL DEPTH    |                                | 917'                       | 1,550'                     | 4,900'                               | 4,973'                              |
| DEEPEST FM.    |                                | post-Tully                 | post-Tully                 | Oriskany                             | Onondaga                            |
| REMARKS        |                                | S. W.                      | I. O. F. 10 Mcf.           | I. O. F. 16 Mcf.<br>S. W.<br>P. & A. | Oriskany sand<br>absent.<br>D. & A. |



TABLE I (Cont.)

| ALLEGANY                                 | ALLEGANY                   | CATTARAUGUS                  | CATTARAUGUS  | CATTARAUGUS   |
|--|----------------------------|------------------------------|--|---|
| Belmont                                  | Belmont                    | Olean                        | Olean  | Olean   |
| 32                                       | 33                         | 1                            | 2  | 3   |
| K. Vossler<br>No. 1                      | C. Vossler<br>No. 1        | Smith-Tucker<br>No. 1        | F. Brown<br>No. 1                                  | F. Brown<br>No. 2   |
| Alleg. Gas, Empire<br>Gas, Hanley & Bird | G. L. Cabot,<br>Inc.       | Bozard Hill<br>Oil & Gas Co. | Clark &<br>Williams                                | Clark &<br>Williams   |
| Alma                                     | Alma                       | Humphrey                     | Ischua   | Ischua  |
| On<br>42° 05'                            | 9,300' South<br>of 42° 05' | 10,700' South<br>of 42° 15'  | 3,900' South<br>of 42° 15'                         | 4,850' South<br>of 42° 15'  |
| 3,100' West<br>of 78° 00'                | 2,875' West<br>of 78° 00'  | 8,550' East<br>of 78° 30'    | 3,400' East<br>of 78° 20'                          | 4,900' East<br>of 78° 20'   |
| 1944                                     | 1939                       | 1955                         | 1906   | 1907  |
| 2,034'                                   | 2,418'                     | 1,902' D. F.                 | 1,865' Topo.                                       | 1,660' Topo.  |
| 4,206'-4,249'                            | 4,670'-4,754'              | 3,174'-3,292'                |  |   |
| 4,749'-4,790'                            | 5,237'-5,294'              | 3,639' —                     |  |   |
| 4,790' —                                 | 5,294' — N. R.             | Horizon 3,752' —             |  |   |
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|  |                            |                              |  |   |
| 4,795'                                   | 5,303'                     | 3,772'                       | 1,500'   |   |
| Oriskany                                 | Oriskany                   | Oriskany                     | post-Tully   | post-Tully  |
| I. O. F. 117<br>Mcf.                     | P. & A.                    | Abandoned.<br>*              | Show of gas<br>and oil in<br>two sands.<br>P. & A. | Show of oil<br>in two sands<br>700'-740' &<br>1,300'-1,360'.<br>P. & A. |

TABLE I (Cont.)

| COUNTY         |                          | CATTARAUGUS                          | CATTARAUGUS                          | CATTARAUGUS                       | CATTARAUGUS             |
|----------------|--------------------------|--------------------------------------|--------------------------------------|-----------------------------------|-------------------------|
| QUADRANGLE     |                          | Olean                                | Olean                                | Olean                             | Olean                   |
| MAP NUMBER     |                          | 4                                    | 5                                    | 6                                 | 7                       |
| NAME OF WELL   |                          | Indian Reservation                   | Indian Reservation                   | G. German No. 1                   | Kamery No. 1            |
| OPERATOR       |                          |                                      |                                      | B. Q. D. C.                       | Storey, et al.          |
| TOWNSHIP       |                          | Ischua                               | Ischua                               | Hinsdale                          | Olean                   |
| LATITUDE       |                          | 6,800' South of 42° 15'              | 8,300' South of 42° 15'              | 6,800' North of 42° 10'           | 5,300' South of 42° 05' |
| LONGITUDE      |                          | 4,650' East of 78° 20'               | 5,600' East of 78° 20'               | 17,200' West of 78° 15'           | 500' West of 78° 25'    |
| DATE COMPLETED |                          | Prior to 1900                        | Prior to 1900                        | 7/17/43                           |                         |
| ELEVATION      |                          | 1,605' Topo.                         | 1,520' Topo.                         | 1,956'                            | 1,435'                  |
| TULLY          |                          |                                      |                                      |                                   |                         |
| ONONDAGA       |                          |                                      |                                      |                                   |                         |
| ORISKANY       |                          |                                      |                                      |                                   | 3,905' Est. —           |
| SALT ZONE      |                          |                                      |                                      |                                   |                         |
| LOCKPORT       |                          |                                      |                                      |                                   |                         |
| MEDINAN        | RED MEDINA (GRIMSBY)     |                                      |                                      |                                   |                         |
|                | WHITE MEDINA (WHIRLPOOL) |                                      |                                      |                                   |                         |
| QUEENSTON      |                          |                                      |                                      |                                   |                         |
| OSWEGO         |                          |                                      |                                      |                                   |                         |
| TRENTON        |                          |                                      |                                      |                                   |                         |
| POTSDAM        |                          |                                      |                                      |                                   |                         |
| PRECAMBRIAN    |                          |                                      |                                      |                                   |                         |
| TOTAL DEPTH    |                          |                                      |                                      | 2,184'                            |                         |
| DEEPEST FM.    |                          | post-Tully                           | post-Tully                           | post-Tully                        |                         |
| REMARKS        |                          | No information available.<br>P. & A. | No information available.<br>P. & A. | Shallow oil well test.<br>P. & A. | Location abandoned.     |

TABLE I (Cont.)

| CATTARAUGUS  | CATTARAUGUS                        | CATTARAUGUS              | ALLEGANY                  | ALLEGANY                  |
|--|------------------------------------|--------------------------|---------------------------|---------------------------|
| Olean  | Olean                              | Olean                    | Olean                     | Olean                     |
| 8  | 9                                  | 10                       | 11                        | 12                        |
| Quinlan Oil Co., No. 1   | E. Hayden No. 1                    | D. Bliss No. 2           | Indian Reservation        | D. C. Wilson No. 1        |
| J. B. Reed, et al.   | Heinz Oil & Gas Co.                | H. W. Patterson          |                           | B. Q. D. C.               |
| Olean  | Portville                          | Portville                | Cuba                      | Clarksville               |
| 26,750' South of 42° 05'   | 11,000' North of 42° 05'           | 20,400' South of 42° 05' | 6,350' South of 42° 15'   | 30,800' South of 42° 15'  |
| 8,450' West of 78° 25'   | 10,200' East of 78° 25'            | 19,300' West of 78° 15'  | 6,250' East of 78° 20'    | 16,100' West of 78° 15'   |
| 1933   | 1951                               | 1951                     | Prior to 1900             | 10/8/43                   |
| 1,686' Grd.  | 1,780' D. F.                       | 2,050' D. F.             | 1,555' Topo.              | 1,730'                    |
| 3,743'-3,748'  | 3,585'—                            |                          |                           |                           |
| 4,175'-4,276'  | 4,020'-4,175'                      |                          |                           |                           |
| 4,276'-4,291'  | 4,175'-4,198'                      |                          |                           |                           |
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|  |                                    |                          |                           |                           |
| 4,296'   |                                    | 1,000'                   |                           | 1,507'                    |
| Oriskany   | Oriskany                           | post-Tully               | post-Tully                | post-Tully                |
| Well deepened in 1958 to 4,347'. Show of oil and a little gas in Oriskany. (*) | I. O. F. 300 Mcf. I. R. P. 43 Lbs. | Shallow wildcat. Dry.    | No information available. | No information available. |

| COUNTY         |                          | ALLEGANY                             | CATTARAUGUS   | ALLEGANY  | ALLEGANY  |
|----------------|--------------------------|--------------------------------------|---|---|---|
| QUADRANGLE     |                          | Olean                                | Olean   | Olean   | Olean   |
| MAP NUMBER     |                          | 13                                   | 14  | 15  | 16  |
| NAME OF WELL   |                          | Torrey No. 1                         | E. Laubacker No. 1  | M. Brown No. 1  | Torrey No. 2  |
| OPERATOR       |                          | Swan-Bell Oil Co.                    | W. Bentley, et al.  | Felmont Oil Corp.   | Swan-Bell Oil Co.                                       |
| TOWNSHIP       |                          | Cuba                                 | Ischua  | Hinsdale  | Cuba  |
| LATITUDE       |                          | 10,500' North of 42° 10'             | 3,100' South of 42° 15'   | 6,050' North of 42° 10'   | 13,050' North of 42° 10'                                |
| LONGITUDE      |                          | 7,200' East of 78° 20'               | 6,400' West of 78° 20'  | 2,000' West of 78° 20'  | 6,400' East of 78° 20'                                  |
| DATE COMPLETED |                          | 9/28/57                              | 11/14/57  | 12/24/57  | 5/23/58   |
| ELEVATION      |                          | 1,986'                               | 1,973' D. F.  | 2,010' D. F.  | 2,084'  |
| TULLY          |                          | 3,522'-3,550'                        | 3,287'-3,320'   | 3,545'-3,582'   | 3,547'-3,577'   |
| ONONDAGA       |                          | 3,955' —                             | 3,724' —  | 3,996'-4,097'   | 4,003'-4,088'   |
| ORISKANY       |                          | 4,034'-4,042'                        | 3,822' —  | 4,097'-4,110'   | 4,088'-4,098'   |
| SALT ZONE      |                          |                                      |   |   |   |
| LOCKPORT       |                          |                                      |   |   |   |
| MEDINAN        | RED MEDINA (GRIMSBY)     |                                      |   |   |   |
|                | WHITE MEDINA (WHIRLPOOL) |                                      |   |   |   |
| QUEENSTON      |                          |                                      |   |   |   |
| OSWEGO         |                          |                                      |   |   |   |
| TRENTON        |                          |                                      |   |   |   |
| POTSDAM        |                          |                                      |   |   |   |
| PRECAMBRIAN    |                          |                                      |   |   |   |
| TOTAL DEPTH    |                          | 4,092'                               | 3,824'  | 4,114'  | 4,099'  |
| DEEPEST FM.    |                          | Oriskany                             | Oriskany  | Oriskany  | Oriskany  |
| REMARKS        |                          | S. W. at 4,045' in Oriskany. P. & A. | Discovery well of Ischua field. Show gas at 3,823'. Gas at 3,824'. I. O. F. 2,700 Mcf. I. R. P. 1,750 Lbs. *P | Gas at 4,100'. I. O. F. 135 Mcf. and small volume S. W. a/f 135 Mcf. and large volume S. W. I. R. P. 1,780 Lbs. P. & A. | Show gas at 4,099'. (10 Mcf.). I. R. P. 50 Lbs. P. & A. |



| CATTARAUGUS  | CATTARAUGUS                | CATTARAUGUS  | CATTARAUGUS                          | CATTARAUGUS  |
|--|----------------------------|--|--------------------------------------|--|
| Olean  | Olean                      | Olean  | Olean                                | Olean  |
| 17   | 18                         | 19   | 20                                   | 21   |
| Pettingill<br>No. 1  | C. Smith<br>No. 1          | Thrall<br>No. 1  | D. E. Osgood<br>No. 1                | Olean Municipal<br>Airport No. 1   |
| Sunburst Oil<br>& Gas Co.  | Flanigan,<br>et al.        | L. Minter,<br>et al.   | L. Minter                            | Felmont Oil<br>Corp.   |
| Ischua   | Ischua                     | Ischua   | Ischua                               | Ischua   |
| 4,200' South<br>of 42° 15'   | 1,950' South<br>of 42° 15' | 3,900' South<br>of 42° 15'   | 8,550' South<br>of 42° 15'           | 2,900' South<br>of 42° 15'   |
| 6,200' East<br>of 78° 25'  | 2,900' West<br>of 78° 20'  | 6,750' West<br>of 78° 20'  | 9,100' West<br>of 78° 20'            | 10,000' West<br>of 78° 20'   |
| 7/25/58  | 2/3/58                     | 3/10/58  | 2/12/58                              | 6/20/58  |
| 1,746' Grd.  | 1,831'                     | 2,027'   | 2,157' D. F.                         | 2,083' D. F.   |
| 3,056'-3,076'  | 3,157'-3,193'              | 3,348' —   | 3,511'-3,542'                        | 3,386'-3,416'  |
| 3,508'-3,610'  | 3,610'-3,712'              | 3,780'-3,907'  | 3,953'-4,059'                        | 3,825' —   |
| Horizon 3,610' —   | Horiz. 3,712'-3,714'       | 3,907'-3,915' +  | Horiz. 4,059'-4,062'                 | 3,928'-3,932'  |
| 3,950'-4,005'  |                            |  |                                      |  |
| 4,475'-4,790'  |                            |  |                                      |  |
| 4,835'-4,926'  |                            |  |                                      |  |
| 4,926'-4,940'  |                            |  |                                      |  |
| 4,940' —   |                            |  |                                      |  |
|  |                            |  |                                      |  |
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|  |                            |  |                                      |  |
|  |                            |  |                                      |  |
| 4,965'   | 3,729'                     | 3,915'   | 4,100'                               | 3,940'   |
| Queenston  | Oriskany                   | Oriskany   | Oriskany                             | Oriskany   |
| Clinton at<br>4,790' —.<br>Black water<br>at 4,545'.<br>Show of gas<br>at 1,015',<br>4,904' & 4,924'-<br>4,926'. Show<br>oil in Medina.<br>P. & A.<br>*P | D. & A.<br>*P              | Show gas at<br>3,907'-3,910'.<br>618 Mcf.<br>drowned out<br>by water. S. W.<br>at 3,912'.<br>P. & A.<br>*P | 10 Mcf. gas<br>at 4,079'.<br>P. & A. | Show of dis-<br>tillate and<br>gas in<br>Oriskany. (1.7<br>Mcf.). I. R. P.<br>200 Lbs.<br>D. & A.<br>* |

| COUNTY         |                                | CATTARAUGUS                           | CATTARAUGUS                                     | CATTARAUGUS   | CATTARAUGUS                 |
|----------------|--------------------------------|---------------------------------------|---|---|-----------------------------|
| QUADRANGLE     |                                | Olean                                 | Olean   | Olean   | Olean                       |
| MAP NUMBER     |                                | 22                                    | 23  | 24  | 25                          |
| NAME OF WELL   |                                | E. Laubacker<br>No. 2                 | E. Doner<br>No. 1                               | T. Clayson<br>No. 1   | Steiger<br>No. 1            |
| OPERATOR       |                                | Bentley et al.                        | Penn Drill Co.                                  | Bentley et al.  | J. Flanigan<br>& D. Cordner |
| TOWNSHIP       |                                | Ischua                                | Ischua  | Ischua  | Hinsdale                    |
| LATITUDE       |                                | 4,200' South<br>of 42° 15'            | 9,100' South<br>of 42° 15'                      | 800' South<br>of 42° 15'  | 20,400' South<br>of 42° 15' |
| LONGITUDE      |                                | 7,850' West<br>of 78° 20'             | 150' West<br>of 78° 25'                         | 6,250' West<br>of 78° 20'   | 4,000' West<br>of 78° 25'   |
| DATE COMPLETED |                                | 2/13/58                               | 3/14/58   | 5/14/58   | 8/5/58                      |
| ELEVATION      |                                | 1,983'                                | 2,153'  | 1,856' D. F.  | 1,995' D. F.                |
| TULLY          |                                | 3,302'-3,326'                         | 3,490'—   | 3,156'-3,195'   | 3,430'-3,439'               |
| ONONDAGA       |                                | 3,738'-3,832'                         | 3,920'-4,029'                                   | 3,599'-3,700'   | 3,867'-3,972'               |
| ORISKANY       |                                | 3,832'-3,834'                         | Horizon 4,029'-4,034'                           | 3,700'-3,703'   | Horizon 3,972'-3,980'       |
| SALT ZONE      |                                |                                       |   |   |                             |
| LOCKPORT       |                                |                                       |   |   |                             |
| MEDINAN        | RED<br>MEDINA<br>(GRIMSBY)     |                                       |   |   |                             |
|                | WHITE<br>MEDINA<br>(WHIRLPOOL) |                                       |   |   |                             |
| QUEENSTON      |                                |                                       |   |   |                             |
| OSWEGO         |                                |                                       |   |   |                             |
| TRENTON        |                                |                                       |   |   |                             |
| POTSDAM        |                                |                                       |   |   |                             |
| PRECAMBRIAN    |                                |                                       |   |   |                             |
| TOTAL DEPTH    |                                | 3,881'                                | 4,052'  | 3,785'  | 4,009'                      |
| DEEPEST FM.    |                                | Oriskany                              | Oriskany  | Oriskany  | Oriskany                    |
| REMARKS        |                                | Show S. W.<br>in Oriskany.<br>D. & A. | No gas, salt<br>water or sand.<br>D. & A.<br>*P | 2nd Tully<br>3,218'-3,231'.<br>Show of gas<br>at 445'. No<br>gas or water<br>in Oriskany.<br>Show of gas<br>and S. W. at<br>3,747'-3,750'.<br>D. & A.<br>*P | D. & A.<br>*P               |

| ALLEGANY   | ALLEGANY   | CATTARAUGUS   | CATTARAUGUS                                  | CATTARAUGUS   |
|--|--|---|--|---|
| Olean  | Olean  | Olean   | Olean  | Salamanca   |
| 26   | 27   | 28  | 29   | 1   |
| Beebe<br>No. 1                                     | J. Smith<br>No. 1  | W. Torrey<br>No. 1  | Utter<br>No. 1                               | J. Leach  |
| Swan-Bell<br>Oil Co.                               | Swan-Bell<br>Oil Co.   | Parsons Bros.   | Swan Oil Co.                                 |   |
| Cuba   | Cuba   | Olean   | Hinsdale                                     | Little Valley   |
| 11,500' North<br>of 42° 10'                        | 8,600' North<br>of 42° 10'   | 9,900' South<br>of 42° 05'  | 12,550' South<br>of 42° 15'                  | 7,100' South<br>of 42° 15'  |
| 10,000' East<br>of 78° 20'                         | 9,500' East<br>of 78° 20'  | 19,000' West<br>of 78° 20'  | 21,800' West<br>of 78° 15'                   | 4,800' East<br>of 78° 45'   |
| 1/10/58  | 6/4/57   | 11/14/59  | 12/10/59                                     | Prior to 1,900  |
| 1,915'   | 1,820' D. F.   | 1,495' Alt.   | 1,521' D. F.                                 | 1,650'  |
| 3,457'-3,485'                                      | 3,407'-3,424'  | 3,385'-3,412'   | 2,935'-2,961'                                |   |
| 3,894'-4,002'                                      | 3,877'-3,954'  | 3,832'-3,932'   | 3,395'-3,490'                                |   |
| 4,002'-4,013'+                                     | 3,954'-3,968'  | 3,932'-3,954'   | Horizon 3,490'-                              |   |
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|  |  |   |  |   |
| 4,013'   | 3,977'   | 4,058'  | 3,561'                                       | 1,980'  |
| Oriskany   | Oriskany   | Oriskany  | Oriskany                                     | post-Tully  |
| S. W. at 4,009'<br>(50 gal./hr.).<br>P. & A.<br>** | 264 Mcf. gas<br>at 3,954'-<br>3,963'. S. W.<br>at 3,954'-<br>3,963'.<br>P. & A.<br>* | 20 Mcf. with<br>some S. W. at<br>3,940'. I. R. P.<br>975 Lbs. 50<br>Mcf. gas at<br>499'. Farm<br>well from<br>shallow gas.<br>D. & A.<br>*P | Oriskany<br>horizon very<br>poor.<br>D. & A. | Show of oil<br>at 884'. Gas<br>at 1,980',<br>drowned out<br>by S. W.<br>P. & A. |

| COUNTY         |                          | CATTARAUGUS   | CATTARAUGUS   | CATTARAUGUS  | CATTARAUGUS   |
|----------------|--------------------------|---|---|--|---|
| QUADRANGLE     |                          | Salamanca   | Salamanca   | Salamanca  | Salamanca   |
| MAP NUMBER     |                          | 2   | 3   | 4  | 5   |
| NAME OF WELL   |                          | Aultman Hale No. 1  | Holt Estate No. 1   | Red House School Lot No. 1                           | L. Lockwood No. 3   |
| OPERATOR       |                          | B. Q. D. C. & Hanley & Bird   | Flanigan, et al.  | Felmont Oil Corp.                                    | Felmont Oil Corp.   |
| TOWNSHIP       |                          | Humphrey  | Red House   | Red House  | Red House   |
| LATITUDE       |                          | 5,100' North of 42° 10'   | 1,500' North of 42° 05'                                   | 5,200' South of 42° 05'                              | 6,500' South of 42° 05'   |
| LONGITUDE      |                          | 9,500' West of 78° 30'  | 10,300' East of 78° 45'                                   | 12,000' West of 78° 40'                              | 3,400' East of 78° 45'  |
| DATE COMPLETED |                          | 10/1/30   | 5/11/56   | 1956   | 5/10/56   |
| ELEVATION      |                          | 1,942'  | 1,645' D. F.  | 1,605' D. F.   | 2,071' D. F.  |
| TULLY          |                          | 3,365'—   |   |  |   |
| ONONDAGA       |                          | 3,790'—3,923'   | 3,605'—3,698'   | 3,623'—3,717'  | 4,035'—4,143'   |
| ORISKANY       |                          |   | 3,698'—3,702'   | 3,717'—  | 4,143'—   |
| SALT ZONE      |                          | 4,379'—4,535'   |   |  |   |
| LOCKPORT       |                          | 4,697'—4,945'   |   |  |   |
| MEDINAN        | RED MEDINA (GRIMSBY)     | 5,071'—5,119'   |   |  |   |
|                | WHITE MEDINA (WHIRLPOOL) | 5,119'—5,178'   |   |  |   |
| QUEENSTON      |                          | 5,178'—   |   |  |   |
| OSWEGO         |                          |   |   |  |   |
| TRENTON        |                          |   |   |  |   |
| POTSDAM        |                          |   |   |  |   |
| PRECAMBRIAN    |                          |   |   |  |   |
| TOTAL DEPTH    |                          | 5,307'  | 3,748'  | 3,721'   | 4,161'  |
| DEEPEST FM.    |                          | Queenston   | Oriskany  | Oriskany   | Oriskany  |
| REMARKS        |                          | No Oriskany sand.<br>S. W. 4,285'—4,290', 4,695', 4,793'.<br>D. & A.<br>**<br>(*) | Slight show of gas. No S. W. in Oriskany sand.<br>P. & A. | I. O. F. 750 Mcf. a/s 2,600 Mcf. I. R. P. 1,800 Lbs. | Gas at 4,145'.<br>I. O. F. 4,000 Mcf. 7,000 Mcf. a/s some distillate.<br>I. R. P. 1,920 Lbs.<br>Rotary rig. |



| CATTARAUGUS   | CATTARAUGUS   | CATTARAUGUS  | CATTARAUGUS                    | CATTARAUGUS  |
|---|---|--|--------------------------------|--|
| Salamanca   | Salamanca   | Salamanca  | Salamanca                      | Salamanca  |
| 6   | 7   | 8  | 9                              | 10   |
| L. Lockwood<br>No. 2  | L. Lockwood<br>No. 1  | L. Lockwood<br>No. 4   | R. J. Brennan<br>No. 1         | F. Gang<br>No. 1                                   |
| Felmont Oil<br>Corp.  | Felmont Oil<br>Corp.  | Felmont Oil<br>Corp.   | Mid-Hudson<br>Nat. Gas Co.     | Scott & Kroh                                       |
| Red House   | Red House   | Red House  | Red House                      | Red House  |
| 7,100' South<br>of 42° 05'  | 7,700' South<br>of 42° 05'  | 8,800' South<br>of 42° 05'   | 11,150' South<br>of 42° 05'    | 15,400' North<br>of 42° 00'                        |
| 6,550' East<br>of 78° 45'   | 10,400' East<br>of 78° 45'  | 3,000' East<br>of 78° 45'  | 10,900' East<br>of 78° 45'     | 5,750' East<br>of 78° 45'                          |
| 3/21/56   | 12/30/55  | 1/5/57   | 4/27/56                        | 8/23/56  |
| 1,868' D. F.  | 1,630' D. F.  | 2,247'   | 1,811' D. F.                   | 1,807' D. F.                                       |
| N. P.   | Horizon 3,300' —  | 3,872' —   | 3,548' —                       |  |
| 3,869'—3,966'   | 3,674'—3,754'   | 4,219'—4,323'  | 3,905'—3,991'                  | 3,905'—3,995'                                      |
| 3,966' —  | 3,754' —  | 4,323' —   | 3,991' —                       | 3,995' —   |
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|   |   |  |                                |  |
| 3,978'  | 3,755'  | 4,339'   | 3,993'                         | 4,016'   |
| Oriskany  | Oriskany  | Oriskany   | Oriskany                       | Oriskany   |
| Gas at 3,968'.<br>7,000 Mcf. a/s,<br>in short time<br>dropped to<br>4,500 Mcf.<br>Some distil-<br>late. I. R. P.<br>1,900 Lbs.<br>Rotary rig. | Discovery<br>well. I. O. F.<br>8,400 Mcf.,<br>decreased to<br>4,100 Mcf. Some<br>distillate.<br>I. R. P. 1,900<br>Lbs. Well<br>abandoned<br>3/9/59 due to<br>excessive S. W.<br>* | I. O. F. 4,000<br>Mcf. Increased<br>to 10,000 Mcf.<br>a/s. I. R. P.<br>1,730 Lbs.<br>No S. W. or<br>oil in Oriskany<br>sand. | S. W. at<br>3,992'.<br>P. & A. | S. W. with<br>show of gas<br>at 4,006'.<br>P. & A. |

| COUNTY         |                          | CATTARAUGUS  | CATTARAUGUS   | CATTARAUGUS   | CATTARAUGUS  |
|----------------|--------------------------|--|---|---|--|
| QUADRANGLE     |                          | Salamanca  | Salamanca   | Salamanca   | Salamanca  |
| MAP NUMBER     |                          | 11   | 12  | 13  | 14   |
| NAME OF WELL   |                          | Wixon No. 1  | E. Keery No. 1  | Seneca Nation of Indians No. 1  | Seneca Nation of Indians No. 1   |
| OPERATOR       |                          | Blue Rock Drlg. Co.  | Lee Minter, et al.  | N. Y. S. Nat. Gas Co.   | Felmont Oil Corp.  |
| TOWNSHIP       |                          | Red House  | Red House   | Carrollton  | Carrollton   |
| LATITUDE       |                          | 14,200' North of 42° 00'   | 18,300' South of 42° 05'  | 8,400' North of 42° 05'   | 7,900' North of 42° 05'  |
| LONGITUDE      |                          | 8,400' East of 78° 45'   | 9,100' West of 78° 40'  | 300' West of 78° 40'  | 3,400' East of 78° 40'   |
| DATE COMPLETED |                          | 1953   | 1/3/57  | 6/22/56   | 4/18/57  |
| ELEVATION      |                          | 1,802'   | 1,985' D. F.  | 1,419' D. F.  | 1,387' D. F.   |
| TULLY          |                          | 3,600' —   | 3,828'—3,837'   | 3,035'—3,052'?  | 3,049'—3,057'  |
| ONONDAGA       |                          | 3,950'—4,038'  | 4,177'—4,265'   | 3,391'—3,491'   | 3,384'—3,480'  |
| ORISKANY       |                          | 4,038'—4,069'+   | 4,265' —  | 3,491'—3,512'   | 3,480' —   |
| SALT ZONE      |                          |  |   |   |  |
| LOCKPORT       |                          |  |   |   |  |
| MEDINAN        | RED MEDINA (GRIMSBY)     |  |   |   |  |
|                | WHITE MEDINA (WHIRLPOOL) |  |   |   |  |
| QUEENSTON      |                          |  |   |   |  |
| OSWEGO         |                          |  |   |   |  |
| TRENTON        |                          |  |   |   |  |
| POTSDAM        |                          |  |   |   |  |
| PRECAMBRIAN    |                          |  |   |   |  |
| TOTAL DEPTH    |                          | 4,069'   | 4,283'  | 3,524'  | 3,492'   |
| DEEPEST FM.    |                          | Oriskany   | Oriskany  | Oriskany  | Oriskany   |
| REMARKS        |                          | Puff of gas at 4,040'. Show of gas at 4,052'. S. W. at 4,054'. P. & A. | 20 Mcf. at 4,273'. S. W. at 4,275'. 140 Mcf. at 4,283'. P. & A. | A limestone that looks like Tully at 3,300'. I. O. F. 13,000 Mcf. After testing for 10 days dropped to 2.6 Mcf. P. & A. *P ** | Gas at 3,480'. I. O. F. 900 Mcf. a/s. I. R. P. 1,930 Lbs. 2/20/59 reported. Now producing 116 Mcf. gas per day. P. & A. in November, 1960. |

| CATTARAUGUS  | CATTARAUGUS   | CATTARAUGUS                | CATTARAUGUS   | CATTARAUGUS                 |
|--|---|----------------------------|---|-----------------------------|
| Salamanca  | Salamanca   | Salamanca                  | Salamanca   | Salamanca                   |
| 15   | 16  | 17                         | 18  | 19                          |
| V. De Wolfe,<br>et al. No. 1   | C. McGavern<br>No. 1  | Mallory-De Wolfe<br>No. 1  | B. Graff<br>No. 1   | Andrews<br>No. 1            |
| Felmont Oil<br>Corp.   | Felmont Oil<br>Corp.  | Felmont Oil<br>Corp.       | Mid-Hudson<br>Nat. Gas Co.  | Flanigan,<br>et al.         |
| Carrollton   | Carrollton  | Carrollton                 | Carrollton  | Allegany                    |
| 3,200' South<br>of 42° 05'   | 3,200' South<br>of 42° 05'  | 7,700' South<br>of 42° 05' | 14,500' North<br>of 42° 00'   | 11,150' South<br>of 42° 10' |
| 7,900' West<br>of 78° 40'  | 450' East<br>of 78° 40'   | 8,000' West<br>of 78° 40'  | 7,200' West<br>of 78° 40'   | 4,300' East<br>of 78° 35'   |
| 3/13/56  | 2/20/56   |                            | 6/27/56   | 1956                        |
| 2,008' D. F.   | 1,737' K.B.   |                            | 2,237' D. F.  | 1,754'                      |
| Horizon 3,682' —   | Horizon 3,445' —  |                            |   |                             |
| 4,041'—4,132'  | 3,830'—3,914'   |                            | 4,400'—4,482'   | 3,713'—3,809'               |
| 4,132'—4,146'  | 3,914'—3,935'   |                            | 4,482' —  | 3,809'—3,812'               |
|  |   |                            |   |                             |
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|  |   |                            |   |                             |
| 4,167.5'   | 3,947.5'  |                            | 4,486'  | 3,830'                      |
| Oriskany   | Oriskany  |                            | Oriskany  | Oriskany                    |
| 40 to 50 Mcf.<br>of gas at<br>4,135½'. Show<br>of oil, gas<br>and S. W. at<br>4,141'.<br>P. & A. | 150 cf. of<br>gas and some<br>S. W. in Oriskany<br>sand.<br>P. & A. | Location<br>abandoned.     | Gas at 4,285'.<br>I. O. F. 155<br>Mcf. After<br>jet shot,<br>1,000 Mcf.<br>I. R. P. 600<br>Lbs. Well<br>now abandoned.<br>* | P. & A.                     |

| COUNTY         |                          | CATTARAUGUS                                      | CATTARAUGUS  | CATTARAUGUS  | CATTARAUGUS                       |
|----------------|--------------------------|--|--|--|-----------------------------------|
| QUADRANGLE     |                          | Salamanca  | Salamanca  | Salamanca  | Salamanca                         |
| MAP NUMBER     |                          | 20   | 21   | 22   | 23                                |
| NAME OF WELL   |                          | C. Atwell  | Ryder-Scott Oil Co., No. 1   | Beemis Est. No. 1  | N. Y. S. Conservation Dept. No. 1 |
| OPERATOR       |                          | Felmont Oil Corp.                                | J. B. Reed, et al.   | Flanigan, et al.   | N. Y. State Nat. Gas Corp.        |
| TOWNSHIP       |                          | Allegany   | Allegany   | Red House  | Great Valley                      |
| LATITUDE       |                          | 15,500' South of 42° 10'                         | 24,000' South of 43° 05'   | 1,300' South of 42° 05'  | 13,300' South of 42° 10'          |
| LONGITUDE      |                          | 17,000' West of 78° 30'                          | 8,100' West of 78° 30'   | 2,300' East of 78° 45'   | 11,800' West of 78° 35'           |
| DATE COMPLETED |                          | 1956   | 1934   | 8/2/57   | 7/16/57                           |
| ELEVATION      |                          | 1,526' D. F.                                     | 1,877'   | 1,847' D. F.   | 2,175'                            |
| TULLY          |                          | 3,154'—  | 3,781'—3,785'  | 3,540'—3,550'  | 3,786'—3,801'                     |
| ONONDAGA       |                          | 3,504'—  | 4,275'—4,353'  | 3,875'—3,967'  | 4,133'—4,232'                     |
| ORISKANY       |                          | 3,602'—3,605'                                    | 4,353'—  | 3,967'—  |                                   |
| SALT ZONE      |                          |  |  |  |                                   |
| LOCKPORT       |                          |  |  |  |                                   |
| MEDINAN        | RED MEDINA (GRIMSBY)     |  |  |  |                                   |
|                | WHITE MEDINA (WHIRLPOOL) |  |  |  |                                   |
| QUEENSTON      |                          |  |  |  |                                   |
| OSWEGO         |                          |  |  |  |                                   |
| TRENTON        |                          |  |  |  |                                   |
| POTSDAM        |                          |  |  |  |                                   |
| PRECAMBRIAN    |                          |  |  |  |                                   |
| TOTAL DEPTH    |                          | 3,615.5'   | 4,385'   | 3,979'   | 4,355'                            |
| DEEPEST FM.    |                          | Oriskany   | Oriskany   | Oriskany   | Oriskany                          |
| REMARKS        |                          | Show of gas in chert at 3,550' and S. W. P. & A. | 13' of tight dry Oriskany sand. Gas pocket at 4,304'—4,306'. D. & A. | I. O. F. 800 Mcf. Increased to 5,200 Mcf. a/s. I. R. P. 1,685 Lbs. | No Oriskany sand. D. & A. *P      |



| CATTARAUGUS                                       | CATTARAUGUS                               | CATTARAUGUS  | CATTARAUGUS              | CATTARAUGUS   |
|---|---|--|--------------------------|---|
| Salamanca   | Salamanca                                 | Salamanca  | Salamanca                | Salamanca   |
| 24  | 25  | 26   | 27                       | 28  |
| De Wolfe & McDowell                               | Seneca Nation of Indians No. 2            | E. Keery No. 1   | A. Walker No. 1          | H. Whitney No. 1  |
| Heiser & Smith                                    | Felmont Oil Corp.                         | Flanigan, et al.                                       | V. B. Bowman, et al.     | Felmont Oil Corp.   |
| Carrollton  | Carrollton                                | Red House  | Carrollton               | Allegany  |
| 4,100' South of 42° 05'                           | 20,500' South of 42° 10'                  | 7,700' North of 42° 00'                                | 9,100' North of 42° 00'  | 3,100' South of 42° 10'   |
| 4,400' West of 78° 40'                            | 15,350' West of 78° 35'                   | 7,100' East of 78° 45'                                 | 700' East of 78° 40'     | 900' West of 78° 30'  |
| 6/28/57   | 1957                                      | 10/3/57  | 12/20/58                 | 3/18/59   |
| 2,269' D. F.                                      | 1,630' D. F.                              | 1,950' D. F.   | 1,528' D. F.             | 1,530' D. F.  |
| 3,996'-4,101'                                     | 3,275'-3,285'                             |  | 3,403'-3,415'            | 3,100'-3,170'   |
| 4,343'-4,430'                                     | 3,627'-3,727'                             | 4,160'-4,244'  | 3,762'-3,843'            | 3,505'-3,606'   |
| 4,430'-4,444'                                     | 3,727'-3,730'                             | 4,244'-4,275'  | 3,843'-3,859'            | 3,606'-3,608'   |
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|   |   |  |                          |   |
| 4,469'  | 3,765'                                    | 4,278'   | 3,862'                   | 3,660'  |
| Oriskany  | Oriskany                                  | Oriskany   | Oriskany                 | Oriskany  |
| S. W. at 4,360', 4,432' & 4,440'. No gas. P. & A. | No gas or water in Oriskany sand. D. & A. | S. W. in Oriskany with shows of gas and oil. P. & A. * | S. W. at 3,857'. P. & A. | Two barrels of S. W. in 16 hrs. with no gas in Oriskany sand. P. & A. |

| COUNTY         |                          | CATTARAUGUS   | CATTARAUGUS                    | CATTARAUGUS   | CATTARAUGUS   |
|----------------|--------------------------|---|--------------------------------|---|---|
| QUADRANGLE     |                          | Salamanca   | Salamanca                      | Randolph  | Randolph  |
| MAP NUMBER     |                          | 29  | 30                             | 1   | 2   |
| NAME OF WELL   |                          | Hogan No. 1   | Seneca Nation of Indians No. 3 | M. Keller No. 1   | Hershberger No. 1   |
| OPERATOR       |                          | G. Kroh, et al.   | Felmont Oil Corp.              | D. Y. M. Co. <sup>1</sup>   | D. Y. M. Co.  |
| TOWNSHIP       |                          | Carrollton  | Carrollton                     | Conewango   | Conewango   |
| LATITUDE       |                          | 14,100' North of 42° 00'  | 25,400' South of 42° 10'       | 3,700' South of 42° 15'   | 4,300' South of 42° 15'   |
| LONGITUDE      |                          | 6,300' West of 78° 40'  | 21,900' West of 78° 35'        | 2,600' East of 79° 00'  | 3,900' East of 79° 00'  |
| DATE COMPLETED |                          | 4/1/59  |                                | 1952  | 1954  |
| ELEVATION      |                          | 2,248' D. F.  | 1,440' D. F.                   | 1,640'  | 1,674'  |
| TULLY          |                          | 4,069'-4,077'   |                                | 2,515'—   |   |
| ONONDAGA       |                          | 4,413'-4,492'   |                                | 2,840'—   | 2,855'-3,015'   |
| ORISKANY       |                          | 4,492'—   |                                |   |   |
| SALT ZONE      |                          |   |                                | 3,395'—   |   |
| LOCKPORT       |                          |   |                                | 3,652'—   |   |
| MEDINA         | RED MEDINA (GRIMSBY)     |   |                                | 3,979'-4,071'   | 3,979'-4,106'   |
|                | WHITE MEDINA (WHIRLPOOL) |   |                                | 4,087'-4,095'   | 4,106'-4,111'   |
| QUEENSTON      |                          |   |                                | 4,095'—   | 4,115'—   |
| OSWEGO         |                          |   |                                |   |   |
| TRENTON        |                          |   |                                |   |   |
| POTSDAM        |                          |   |                                |   |   |
| PRECAMBRIAN    |                          |   |                                |   |   |
| TOTAL DEPTH    |                          | 4,498'  |                                | 4,144'  | 4,118   |
| DEEPEST FM.    |                          | Oriskany  |                                | Queenston   | Queenston   |
| REMARKS        |                          | I. O. F. 8,000 Mcf. with distillate.<br>I. R. P. 1,709 Lbs. Rock pressure dropped so drilled 3' deeper & hit a high flow of S. W. P. & A. | Location abandoned.            | I. O. F. 27 Mcf. in Red Medina, a/s increased to 327 Mcf. then dropped to 140 Mcf. I. R. P. 1,010 Lbs. Black water at 3,725'. | Gas show at 600', 700' & 810'. 200 Mcf. at 700'. 75 Mcf. below the Onondaga. 86 Mcf. at 4,039'. P. & A. |

| CATTARAUGUS                            | CATTARAUGUS                 | CATTARAUGUS   | CATTARAUGUS  | CATTARAUGUS                 |
|--|-----------------------------|---|--|-----------------------------|
| Randolph                               | Randolph                    | Randolph  | Randolph   | Randolph                    |
| 3                                      | 4                           | 5   | 6  | 7                           |
| Oscar See<br>No. 1                     | Hotchkiss<br>No. 2          | H. Hotchkiss<br>No. 1   | H. Hotchkiss<br>No. 1                              | T. Barber<br>No. 1          |
| D. Y. M. Co.                           | Arkansas Fuel<br>Oil Co.    | Arkansas Fuel<br>Oil Co.  | Cunningham<br>Nat. Gas Co.                         | J. Monroe                   |
| Conewango                              | Randolph                    | Randolph  | Randolph   | Cold Spring                 |
| 11,900' South<br>of 42° 15'            | 11,300' North<br>of 42° 05' | 9,600' North<br>of 42° 05'  | 10,310' North<br>of 42° 05'                        | 2,900' South<br>of 42° 10'  |
| 13,700' West<br>of 78° 55'             | 7,700' East<br>of 79° 00'   | 6,200' East<br>of 79° 00'   | 8,200' East<br>of 79° 00'                          | 6,950' East<br>of 78° 55'   |
| 1953                                   | 1930                        | 1924  | 1937   | 1953                        |
| 1,787'                                 | 1,760'                      | 1,830' Topo.  | 1,764' Topo.                                       | 1,520'                      |
| 2,690'—                                |                             |   |  |                             |
| 3,030'—3,180'                          | 3,380'—3,534'               | 3,390'—   | 3,093'—  |                             |
|  |                             |   |  |                             |
|  | 3,893'—4,140'               | 3,880'—4,105'   |  |                             |
|  | 4,210'—                     | 4,180'—4,455'   |  |                             |
| 4,095'—4,195'                          |                             | 4,595'—   | 4,628'—  |                             |
| 4,300'—4,305'                          |                             |   | 4,638'—4,751'                                      |                             |
|  |                             |   | 4,751'—  |                             |
|  |                             |   |  |                             |
|  |                             |   |  |                             |
|  |                             |   |  |                             |
|  |                             |   |  |                             |
| 4,318.5'                               | 4,484'                      | 4,684'  | 4,765'   | 310'                        |
| Queenston                              | Lockport                    | Red Medina  | Queenston  | post-Tully                  |
| 8 Mcf. of gas<br>at 4,280'.<br>P. & A. | P. & A.                     | I. O. F. 320<br>Mcf. in Red<br>Medina. Show<br>of oil at<br>668'. Drilled<br>89' of Medina.<br>** | I. O. F. 10 Mcf.<br>Show of oil<br>from 665'—795'. | Last reported<br>abandoned. |

| COUNTY         |                          | CATTARAUGUS  | CATTARAUGUS                                   | CATTARAUGUS   | CATTARAUGUS               |
|----------------|--------------------------|--|---|---|---------------------------|
| QUADRANGLE     |                          | Randolph   | Randolph                                      | Randolph  | Randolph                  |
| MAP NUMBER     |                          | 8  | 9   | 10  | 11                        |
| NAME OF WELL   |                          | J. Monroe No. 1  | Seneca Nation of Indians No. 1                | J. W. Sharp No. 1   | E. Goodrich, et al. No. 1 |
| OPERATOR       |                          | Monroe & Van Aken  | Devonian Oil & Gas Co.                        | H. Brunt, et al.  | Felmont Oil Corp.         |
| TOWNSHIP       |                          | Cold Spring  | Cold Spring                                   | Red House   | Red House                 |
| LATITUDE       |                          | 4,500' South of 42° 10'  | 10,700' North of 42° 05'                      | 11,500' North of 42° 05'  | 8,200' South of 42° 05'   |
| LONGITUDE      |                          | 8,300' East of 78° 55'   | 6,500' West of 78° 50'                        | 7,200' West of 78° 45'  | 7,500' West of 78° 45'    |
| DATE COMPLETED |                          | 1951   | 1957  | 1949  | 1956                      |
| ELEVATION      |                          | 1,627'   | 1,365' Topo.                                  | 1,439'  | 2,078' D. F.              |
| TULLY          |                          |  |   | 2,833'-2,838'   |                           |
| ONONDAGA       |                          | 3,170'-3,220'  |   | 3,220'-3,347'   | 4,027'-4,134'             |
| ORISKANY       |                          |  |   | Horiz. 3,347'-3,349'  | Horiz. 4,134'-4,135'      |
| SALT ZONE      |                          |  |   | 3,679'-3,995'   |                           |
| LOCKPORT       |                          |  |   | 4,177'-4,345'   |                           |
| MEDINAN        | RED MEDINA (GRIMSBY)     |  |   | 4,543' -  |                           |
|                | WHITE MEDINA (WHIRLPOOL) |  |   | 4,608'-4,615'   |                           |
| QUEENSTON      |                          |  |   | 4,615' -  |                           |
| OSWEGO         |                          |  |   |   |                           |
| TRENTON        |                          |  |   |   |                           |
| POTSDAM        |                          |  |   |   |                           |
| PRECAMBRIAN    |                          |  |   |   |                           |
| TOTAL DEPTH    |                          | 3,295'   | 2,000'  | 4,677'  | 4,153'                    |
| DEEPEST FM.    |                          | Oriskany   | post-Tully                                    | Queenston   | Oriskany                  |
| REMARKS        |                          | Few scattered sand grains reported from 3,220'-3,331'. D. & A. *P. | Estimated 500 Mcf. of gas at 803' and 1,033'. | Gas at 4,562'. I. O. F. 20 Mcf. I. R. P. 1,000 Lbs. No black water in Lockport. Deepened in 1954. *P. | No Oriskany sand. P. & A. |



| CATTARAUGUS                            | CATTARAUGUS                            | CATTARAUGUS                       | CATTARAUGUS   | CHAUTAUQUA  |
|--|--|-----------------------------------|---|---|
| Randolph                               | Randolph                               | Randolph                          | Randolph  | Jamestown   |
| 12                                     | 13                                     | 14                                | 15  | 1   |
| Howe<br>No. 1                          | Mallery &<br>Williams No. 1            | Seneca Nation of<br>Indians No. 2 | J. B. Veach,<br>et al. No. 1                              | H. E. Barmore<br>No. 2  |
| Scott &<br>O'Dell                      | Flanigan,<br>et al.                    | Devonian Oil<br>& Gas Co.         | Felmont Oil<br>Corp.                                      | Flanigan,<br>et al.   |
| Red House                              | Red House                              | Cold Spring                       | Elko  | Gerry   |
| 15,100' South<br>of 42° 05'            | 11,500' North<br>of 42° 00'            | 9,600' North<br>of 42° 05'        | 2,450' North<br>of 42° 00'                                | 12,100' South<br>of 42° 15'   |
| 875' West<br>of 78° 45'                | 4,700' West<br>of 78° 45'              | 10,000' East<br>of 78° 55'        | 7,800' East<br>of 78° 55'                                 | 8,500' East<br>of 79° 15'   |
| 1957                                   | 1956                                   | 1957                              | 10/4/57   | 1955  |
| 2,108' D. F.                           | 1,927'                                 | 1,380' Topo.                      | 2,006' D. F.  | 1,811'  |
| 3,840'—                                |  |                                   | 3,805'—3,821'   |   |
| 4,172'—4,260'                          | 4,049'—4,120'                          |                                   | 4,120'—4,210'   | 2,834'—3,033'   |
| 4,260'—4,278'                          | 4,120'—                                |                                   |   | Horiz. 3,033'—3,039'  |
|  |  |                                   |   |   |
|  |  |                                   |   |   |
|  |  |                                   |   | 3,932'—   |
|  |  |                                   |   | 4,098'—4,104'   |
|  |  |                                   |   |   |
|  |  |                                   |   |   |
|  |  |                                   |   |   |
|  |  |                                   |   |   |
|  |  |                                   |   |   |
| 4,293'                                 |  | 1,900'                            | 4,273'  | 4,109'  |
| Oriskany                               | Oriskany                               | post-Tully                        | Oriskany  | Queenston   |
| No gas. S. W.<br>at 4,269'.<br>P. & A. | Show of gas<br>and S. W. at<br>4,125'. | D. & A.                           | No Oriskany<br>sand. No gas<br>or water.<br>D. & A.<br>*P | Gas at 3,932'.<br>I. O. F. 32 Mcf.<br>No increase<br>of gas a/s.<br>P. & A. |

| COUNTY         |                          | CHAUTAUQUA   | CHAUTAUQUA  | CHAUTAUQUA  | CHAUTAUQUA   |
|----------------|--------------------------|--|---|---|--|
| QUADRANGLE     |                          | Jamestown  | Jamestown   | Jamestown   | Jamestown  |
| MAP NUMBER     |                          | 2  | 3   | 4   | 5  |
| NAME OF WELL   |                          | H. E. Barmore No. 1  | H. E. Barmore No. 4   | R. Overture No. 1   | H. E. Barmore No. 3  |
| OPERATOR       |                          | Flanigan, et al.   | Penn. Gas Co.   | Penn. Gas Co.   | Penn. Gas Co.  |
| TOWNSHIP       |                          | Gerry  | Gerry   | Gerry   | Gerry  |
| LATITUDE       |                          | 13,300' South of 42° 15'   | 13,650' South of 42° 15'  | 12,950' South of 42° 15'  | 14,500' South of 42° 15'   |
| LONGITUDE      |                          | 7,800' East of 79° 15'   | 8,350' East of 79° 15'  | 13,000' West of 79° 10'   | 7,000' East of 79° 15'   |
| DATE COMPLETED |                          | 1954   | 1955  | 1955  | 1955   |
| ELEVATION      |                          | 1,775' D. F.   | 1,789'  | 1,847'  | 1,746'   |
| TULLY          |                          | 2,485'-2,538'  | 2,535'-2,569'   | 2,582'-2,617'   | 2,506'-2,540'  |
| ONONDAGA       |                          | 2,781'-3,011'  | 2,815'-3,004'   | 2,863'-3,063'   | 2,792'-2,994'  |
| ORISKANY       |                          | Horiz. 3,011'-3,014'   | Horiz. 3,010'-3,020'  |   | Horiz. 2,994'-2,996'   |
| SALT ZONE      |                          |  | 3,440'-3,496'   | 3,485'-3,547'   | 3,410'-3,466'  |
| LOCKPORT       |                          |  | 3,562'-3,812'   | 3,616'-3,874'   |  |
| MEDINAN        | RED MEDINA (GRIMSBY)     | 3,911'-4,012'  | 3,927'-3,988'   | 3,968'-4,023'   | 3,872'-3,952'  |
|                | WHITE MEDINA (WHIRLPOOL) | 4,071'-4,084'  | 4,075'—   | 4,129'-4,134'   | 4,034'-4,052'  |
| QUEENSTON      |                          | 4,084'—  |   | 4,138'—   |  |
| OSWEGO         |                          |  |   |   |  |
| TRENTON        |                          |  |   |   |  |
| POTSDAM        |                          |  |   |   |  |
| PRECAMBRIAN    |                          |  |   |   |  |
| TOTAL DEPTH    |                          | 4,089'   | 4,081'  | 4,147'  | 4,057'   |
| DEEPEST FM.    |                          | Queenston  | Medina  | Queenston   | Queenston  |
| REMARKS        |                          | Gas at 4,075'-4,080'. I. O. F. 210 Mcf. I. R. P. 1,200 Lbs. Black oil scum at 3,007'. Gas show at 2,840'. Black water at 3,722'. * | I. O. F. 1,266 Mcf. I. R. P. 395 Lbs. Black water at 3,719'. Gas at 3,719', 3,875', 4,003' & 4,008'. Main gas at 4,074'-4,081'. | Show of gas at 3,068' and 3,994'-3,999'. Black water at 3,773'. P. & A. | Show of oil and gas at 2,981'-2,996'. Black water at 3,673'. Gas at 3,005', 3,924'-3,928', 3,962', 4,006' & 4,012'. P. & A. *p |

| CHAUTAUQUA   | CHAUTAUQUA                  | CHAUTAUQUA                                     | CHAUTAUQUA  | CHAUTAUQUA   |
|--|-----------------------------|--|---|--|
| Jamestown  | Jamestown                   | Jamestown                                      | Jamestown   | Jamestown  |
| 6  | 7                           | 8  | 9   | 10   |
| R. Overture<br>No. 2   | Olmstead<br>No. 1           | Anderson<br>No. 1                              | Jamestown<br>Well   | E. Marsh<br>No. 1  |
| Flanigan,<br>et al.  | Penn. Gas Co.               | C. Limbort                                     |   | Hart, Jeutter<br>& Yeager  |
| Gerry  | Gerry                       | Ellington                                      | Ellicott  | Poland   |
| 14,300' South<br>of 42° 15'  | 15,500' North<br>of 42° 10' | 9,800' North<br>of 42° 10'                     | 3,500' North<br>of 42° 05'  | 9,800' North<br>of 42° 05'   |
| 9,300' East<br>of 79° 15'  | 10,000' East<br>of 79° 15'  | 1,200' West<br>of 79° 05'                      | 2,500' East<br>of 79° 15'   | 6,300' East<br>of 79° 05'  |
| 1956   | 1956                        | About 1922                                     | 1890  | 1956   |
| 1,779'   | 1,766'                      | 1,590' Topo.                                   | 1,325'  | 1,359'   |
| 2,545'-2,573'  |                             |  |   | 2,648'—  |
| 2,824'-3,025'  | 2,840'—                     |  | 2,775'-2,925'   | 2,959'—  |
|  |                             |  |   |  |
| 3,440'-3,494'  |                             |  |   | 3,460'-3,662'  |
| 3,560'-3,815'  |                             |  |   | 3,710'-3,968'  |
| 3,926'-4,075'  | 3,923'—                     |  |   | 4,104'—  |
| 4,075'-4,086'  | 4,080'—                     |  |   |  |
| 4,090'—  |                             |  |   | 4,260'—  |
|  |                             |  |   |  |
|  |                             |  |   |  |
|  |                             |  |   |  |
|  |                             |  |   |  |
| 4,091'   | 4,106'                      | 3,160'   | 3,263'  | 4,271'   |
| Queenston  | Queenston                   |  |   | Queenston  |
| I. O. F. 47<br>Mcf. 170 Mcf.<br>a/f. I. R. P.<br>1,175 Lbs.<br>Black water<br>at 3,739'.<br>Show gas at<br>3,929' & 4,000'.<br>Main gas in<br>Wt. Medina.<br>**p | Show of gas.<br>P. & A.     | No record,<br>probably<br>reached<br>Onondaga. | Oriskany sand<br>not present.<br>No other<br>record.<br>P. & A.<br>**p. | Show of gas<br>at 400', 405',<br>1,970'-2,071',<br>2,590', 3,440',<br>and 4,163'.<br>S. W. at 3,382'.<br>Black water<br>at 3,865'.<br>P. & A.<br>* |

| COUNTY         |                                | CHAUTAUQUA  | CHAUTAUQUA   | CHAUTAUQUA   | CATTARAUGUS                |
|----------------|--------------------------------|---|--|--|----------------------------|
| QUADRANGLE     |                                | Jamestown   | Jamestown  | Jamestown  | Jamestown                  |
| MAP NUMBER     |                                | 11  | 12   | 13   | 14                         |
| NAME OF WELL   |                                | Weiss<br>No. 1  | McCoy<br>No. 1   | J. Wiltse  | Kettle                     |
| OPERATOR       |                                | Jansen, Ross,<br>et al.   |  |  | K. R. Wilson               |
| TOWNSHIP       |                                | Kiantone  | Carroll  | Carroll  | South Valley               |
| LATITUDE       |                                | 7,000' North<br>of 42° 00'  | 8,200' North<br>of 42° 00'   | 5,900' North<br>of 42° 00'   | 5,250' North<br>of 42° 00' |
| LONGITUD       |                                | 75' West<br>of 79° 10'  | 6,500' East<br>of 79° 10'  | 10,400' East<br>of 79° 10'   | 13,750' West<br>of 79° 00' |
| DATE COMPLETED |                                | 1932  | 1932   | 1932   | 1944                       |
| ELEVATION      |                                | 1,244'  | 1,400' Topo.   | 1,482' Topo.   | 1,785' D. F.               |
| TULLY          |                                | 2,836'-2,870'   |  |  | 3,326'-3,369'              |
| ONONDAGA       |                                | 2,999'-3,156'   |  |  | 3,750'—                    |
| ORISKANY       |                                | Horiz. 3,156'-3,168'  |  |  |                            |
| SALT ZONE      |                                | 3,508'-3,738'   |  |  |                            |
| LOCKPORT       |                                | 3,885'-4,040'   |  |  |                            |
| MEDINAN        | RED<br>MEDINA<br>(GRIMSBY)     | 4,194'-4,234'   |  |  |                            |
|                | WHITE<br>MEDINA<br>(WHIRLPOOL) | 4,237'-4,249'   |  |  |                            |
| QUEENSTON      |                                | 4,260'—   |  |  |                            |
| OSWEGO         |                                |   |  |  |                            |
| TRENTON        |                                |   |  |  |                            |
| POTSDAM        |                                |   |  |  |                            |
| PRECAMBRIAN    |                                |   |  |  |                            |
| TOTAL DEPTH    |                                | 4,700'  | 3,185'   | 1,400'   | 3,778'                     |
| DEEPEST FM.    |                                | Queenston   |  | post-Tully   | Onondaga                   |
| REMARKS        |                                | Gas at 735' &<br>1,072'. Oil<br>sand 2,011'-<br>2,066'. S. W.<br>3,525'-3,533'.<br>No gas in<br>Medina.<br>D. & A.<br>(*)<br>** | Gas at 1,061'-<br>1,081'.<br>Producer. No<br>other record,<br>probably<br>reached<br>Onondaga. | I. O. F. 1,000<br>Mcf. I. R. P.<br>300 Lbs. Gas<br>sand at<br>1,160'-1,180'. | Dry.<br>**                 |



| CHAUTAUQUA                                | CHAUTAUQUA   | CHAUTAUQUA  | CHAUTAUQUA  | CHAUTAUQUA   |
|---|--|---|---|--|
| Chautauqua                                | Chautauqua   | Chautauqua  | Chautauqua  | Chautauqua   |
| 1   | 2  | 3   | 4   | 5  |
| R. Hughes                                 | R. Bates<br>No. 1  | Gerry Homes<br>No. 1  | C. Randall<br>No. 1   | K. Morse<br>No. 2  |
|   | C. E. Bournique  | G. Neeley   | Southwestern<br>Development Co.   | Universal Delta<br>Drlg. Co.   |
| Chautauqua                                | Ellery   | Gerry   | N. Harmony  | Harmony  |
| 8,900' South<br>of 42° 15'                | 11,700' South<br>of 42° 10'  | 11,000' North<br>of 42° 10'   | 4,200' South<br>of 42° 10'  | 5,500' South<br>of 42° 05'   |
| 2,300' East<br>of 79° 30'                 | 4,900' East<br>of 79° 20'  | 200' West<br>of 79° 15'   | 10,500' East<br>of 79° 30'  | 700' West<br>of 79° 25'  |
|   | 1949   | 1954  | 1932  | 7/12/55  |
| 1,336'                                    | 1,393' D. F.   | 1,340'  | 1,565'  | 1,602'   |
|   |  |   |   |  |
|   | 2,619'–2,818'  | 2,407'–2,624'   | 2,661'–2,888'   | 2,964'–3,165'  |
|   | 2,818'–2,828'  |   | 2,888'–2,909'   | Horizon 3,165' –   |
|   |  |   |   |  |
|   |  | 3,284' –  | 3,273'–3,643'   |  |
|   |  | 3,550' –  | 3,705'–3,862'   | 4,085'–4,263'  |
| 3,358' –                                  |  | 3,669'–3,678'   | 3,862'–3,870'   | 4,263'–4,272'  |
|   |  |   | 3,870' –  |  |
|   |  |   |   |  |
|   |  |   |   |  |
|   |  |   |   |  |
|   |  |   |   |  |
| 3,508'                                    | 3,000'   | 3,751'  | 3,895'  | 4,286'   |
| Queenston                                 | Oriskany   | Queenston   | Queenston   | Queenston  |
| Dry. No other<br>information<br>reported. | 10 Mcf. at<br>700'–750'.<br>Show of oil at<br>2,830'–2,841'.<br>*(*)<br>** | I. O. F. 1,600<br>cf. I. R. P.<br>500 Lbs. No<br>Oriskany sand.<br>No salt.<br>*p<br>** | Gas at 780',<br>984' & 3,714'.<br>Show of oil<br>at 2,594'.<br>Black water<br>at 3,491'. No<br>salt.<br>(*)<br>** | S. W. at 3,415'<br>and 3,914'.<br>Black water<br>at 3,870'. Show<br>of gas at<br>4,143' & 4,157'.<br>No salt.<br>D. & A.<br>*p |

| COUNTY         |                                | CHAUTAUQUA   | CHAUTAUQUA   | CHAUTAUQUA   | CHAUTAUQUA  |
|----------------|--------------------------------|--|--|--|---|
| QUADRANGLE     |                                | Chautauqua   | Chautauqua   | Chautauqua   | Chautauqua  |
| MAP NUMBER     |                                | 6  | 7  | 8  | 9   |
| NAME OF WELL   |                                | K. Morse<br>No. 3  | F. C. Potter<br>No. 1  | H. Hazzard<br>No. 1  | A. Donelson<br>No. 1                              |
| OPERATOR       |                                | Universal Delta<br>Drlg. Co.   | Universal Delta<br>Drlg. Co.                                       | T. M. Pettigrew  | T. M. Pettigrew                                   |
| TOWNSHIP       |                                | Harmony  | Harmony  | Busti  | Busti   |
| LATITUDE       |                                | 5,900' South<br>of 42° 05'   | 12,100' South<br>of 42° 05'  | 12,850' South<br>of 42° 05'  | 8,350' North<br>of 42° 00'                        |
| LONGITUDE      |                                | 300' East<br>of 79° 25'  | 8,600' East<br>of 79° 25'  | 3,000' West<br>of 79° 15'  | 1,300' West<br>of 79° 15'                         |
| DATE COMPLETED |                                | 6/28/56  | 2/20/57  | 1946   | 8/8/47  |
| ELEVATION      |                                | 1,579'   | 1,532' Grd.  | 1,452'   | 1,521'  |
| TULLY          |                                |  |  | 2,764'-2,788'  | 2,933'-2,960'                                     |
| ONONDAGA       |                                | 2,941'-3,145'  | 3,023'-3,152'  | 3,000'-3,158'  | 3,163'-3,313'                                     |
| ORISKANY       |                                | Horizon 3,145' -   | Horiz. 3,152'-3,174'   | Horiz. 3,158'-3,171'   | Horiz. 3,313'-3,331'                              |
| SALT ZONE      |                                | 3,600'-3,644'  |  |  | N. P.   |
| LOCKPORT       |                                | 3,885'-3,982'  | 3,702'? -  |  | 3,884' -  |
| MEDINAN        | RED<br>MEDINA<br>(GRIMSBY)     | 4,073'-4,148'  |  |  |   |
|                | WHITE<br>MEDINA<br>(WHIRLPOOL) | 4,248'-4,257'  |  |  |   |
| QUEENSTON      |                                | 4,257' -   |  |  |   |
| OSWEGO         |                                |  |  |  |   |
| TRENTON        |                                |  |  |  |   |
| POTSDAM        |                                |  |  |  |   |
| PRECAMBRIAN    |                                |  |  |  |   |
| TOTAL DEPTH    |                                | 4,258'   | 3,953'   | 3,504'   | 4,150'  |
| DEEPEST FM.    |                                | Queenston  | Lockport   | Camillus?  | Lockport  |
| REMARKS        |                                | I. O. F. 101<br>Mcf. a/f.<br>No Oriskany<br>sand. Black<br>water at<br>3,885'.<br>*P<br>** | Top Newburg<br>at 3,911'.<br>Show of gas<br>in Newburg.<br>P. & A. | Oil shows at<br>3,176'-3,183' &<br>3,433'-3,441'.<br>Salt water at<br>3,451'-3,459'.<br>D. & A.<br>(*) | Black water<br>at 4,114'.<br>P. & A.<br>*P<br>**P |

| CHAUTAUQUA   | CHAUTAUQUA   | CHAUTAUQUA   | CHAUTAUQUA   | CHAUTAUQUA   |
|--|--|--|--|--|
| Chautauqua   | Clymer   | Clymer   | Clymer   | North East   |
| 10   | 1  | 2  | 3  | 1  |
| Kyle Morse<br>No. 1  | O. R. Reed<br>No. 1  | Loomis Well  | A. Neckers   | E. Stetson   |
| Universal Delta<br>Drlg. Co.   | Whitmer Co.  | T. B. Loomis   | Penn. Gas Co.  | Appalachian<br>Gas Corp.   |
| Harmony  | French Creek   | Clymer   | Mina   | Mina   |
| 5,500' South<br>of 42° 05'   | 8,900' South<br>of 42° 05'   | 5,200' North<br>of 42° 00'   | 15,250' South<br>of 42° 10'  | 31,300' South<br>of 42° 15'  |
| 300' East<br>of 79° 25'  | 3,700' West<br>of 79° 40'  | 5,900' East<br>of 79° 35'  | 6,150' West<br>of 79° 40'  | 2,000' West<br>of 79° 45'  |
| 1956   | 1932   | 1878   | 1957   | 1945   |
| 1,572' D. F.   | 1,682'   | 1,545'   | 1,572'   | 1,455'   |
|  |  |  | 2,358'-2,454'  | 2,073'—  |
| 2,924'-3,135'  | 2,861'-3,046'  |  | 2,595'-2,833'  | 2,309'-2,542'  |
|  | Horiz. 3,046'-3,113'   |  | Horiz. 2,833'-2,835'   |  |
| 3,540'-3,655'  |  |  |  |  |
| 3,680'—  | 3,476'-3,728'  |  |  |  |
| 4,058'—  | 3,946'-3,989'  |  | 3,638'-3,677'  |  |
| 4,245'-4,260'  | 4,026'-4,069'  |  | 3,786'-3,794'  |  |
| 4,260'-5,290'  | 4,069'—  |  |  |  |
| N. P.  |  |  |  |  |
| 6,124'-6,876'  |  |  |  |  |
|  |  |  |  |  |
| 7,100'   | 4,087'   | 1,855'   | 3,813'   | 2,562'   |
| Little Falls   | Medina   | post-Tully   | Queenston  | Oriskany   |
| No Oriskany<br>sand. No<br>Oswego. Top of<br>Little Falls<br>at 6,949'. Gas<br>and water.<br>Shows in the<br>Lockport,<br>Medina, Trenton,<br>Tribes Hill<br>& Little<br>Falls. *P | No Oriskany<br>sand. No salt.<br>Show of oil<br>at 2,560'. Show<br>of gas at<br>3,092', 3,744'<br>& 3,972'.<br>D. & A. | Sand at 860'<br>and 1,232'<br>with a 3d<br>sand reported<br>to have a<br>trace of oil. | No Oriskany<br>sand. Black<br>water at<br>3,386'-3,472'.<br>No gas or<br>water in<br>Medina.<br>D. & A.<br>* | Oriskany sand<br>absent. Show<br>of oil, gas<br>and water at<br>2,549'.<br>P. & A. |

TABLE I  
Index of New York Well Records

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| G. Aldrich.....                     | Chautauqua...  | Silver Creek.... | 42      | 189  |
| Allan.....                          | Genesee.....   | Attica.....      | 27      | 56   |
| Allegany County Farm No. 1 (*P).... | Allegany.....  | Canaseraga.....  | 5       | 201  |
| W. Amburst.....                     | Wyoming.....   | Arcade.....      | 22      | 120  |
| W. Amburst No. 1.....               | Wyoming.....   | Arcade.....      | 21      | 120  |
| A. & R. Amsden No. 1.....           | Allegany.....  | Belmont.....     | 1       | 290  |
| Anderson No. 1.....                 | Chautauqua...  | Jamestown.....   | 8       | 315  |
| J. Anderson No. 1 **.....           | Wyoming.....   | Arcade.....      | 38      | 123  |
| Andrews No. 1.....                  | Cattaraugus... | Salamanca.....   | 19      | 307  |
| C. Andrews No. 2.....               | Erie.....      | Springville..... | 51      | 136  |
| C. Andrews No. 3.....               | Erie.....      | Springville..... | 49      | 135  |
| W. Armstrong No. 1 **P.....         | Wyoming.....   | Caledonia.....   | 23      | 35   |
| N. Arnold No. 1.....                | Chautauqua...  | Cherry Creek.... | 47      | 243  |
| N. Arnold No. 1.....                | Cattaraugus... | Cherry Creek.... | 83      | 251  |
| N. Arnold No. 4.....                | Cattaraugus... | Cherry Creek.... | 87      | 252  |
| N. Arnold No. 7.....                | Cattaraugus... | Cherry Creek.... | 89      | 253  |
| E. Arsckbacker No. 1.....           | Erie.....      | Eden.....        | 68      | 163  |
| Atherton Est. No. 1.....            | Allegany.....  | Angelica.....    | 46      | 214  |
| Attica Well.....                    | Wyoming.....   | Attica.....      | 80      | 68   |
| C. Atwell.....                      | Cattaraugus... | Salamanca.....   | 20      | 308  |
| G. Atwood No. 2.....                | Erie.....      | Depew.....       | 32      | 79   |
| H. Atwood No. 1.....                | Allegany.....  | Wellsville.....  | 49      | 285  |
| Austel.....                         | Erie.....      | Depew.....       | 54      | 84   |
| H. Avey No. 1.....                  | Erie.....      | Silver Creek.... | 16      | 183  |
| C. Baham No. 1.....                 | Allegany.....  | Wellsville.....  | 64      | 288  |
| C. Bailey.....                      | Chautauqua...  | Silver Creek.... | 29      | 186  |
| A. Baines No. 1.....                | Erie.....      | Eden.....        | 17      | 152  |
| E. Baker No. 1.....                 | Erie.....      | Depew.....       | 103     | 95   |
| M. Baker No. 2.....                 | Erie.....      | Eden.....        | 71      | 165  |
| V. Baker No. 1.....                 | Erie.....      | Springville..... | 72      | 140  |
| Ball Est. No. 1.....                | Chautauqua...  | Cherry Creek.... | 42      | 242  |
| M. Ball No. 1.....                  | Chautauqua...  | Cherry Creek.... | 59      | 246  |
| Ballard-Hazzard No. 1.....          | Allegany.....  | Belmont.....     | 24      | 295  |
| P. Ballers.....                     | Erie.....      | Depew.....       | 61      | 86   |
| G. Bancraft No. 1.....              | Erie.....      | Springville..... | 76      | 141  |
| Bank of Angelica No. 2.....         | Allegany.....  | Angelica.....    | 19      | 208  |



TABLE I (Cont.)

| RECORD                         | COUNTY           | QUADRANGLE        | MAP NO. | PAGE |
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| Bank of Angelica No. 1.....    | Allegany.....    | Angelica.....     | 20      | 208  |
| Bank of Angelica No. 3 *P..... | Allegany.....    | Angelica.....     | 24      | 209  |
| D. Barber No. 1.....           | Allegany.....    | Wellsville.....   | 30      | 281  |
| T. Barber No. 1.....           | Cattaraugus..... | Randolph.....     | 7       | 311  |
| Barker.....                    | Erie.....        | Depew.....        | 33      | 79   |
| Barker.....                    | Erie.....        | Depew.....        | 35      | 80   |
| J. Barkewitz No. 1.....        | Erie.....        | Springville.....  | 65      | 139  |
| S. Barlic No. 1.....           | Erie.....        | Springville.....  | 89      | 144  |
| H. E. Barmore No. 1 *.....     | Chautauqua.....  | Jamestown.....    | 2       | 313  |
| H. E. Barmore No. 2.....       | Chautauqua.....  | Jamestown.....    | 1       | 314  |
| H. E. Barmore No. 4.....       | Chautauqua.....  | Jamestown.....    | 3       | 314  |
| H. E. Barmore No. 3 *P.....    | Chautauqua.....  | Jamestown.....    | 5       | 314  |
| F. Barney.....                 | Allegany.....    | Angelica.....     | 13      | 207  |
| H. Barnhart No. 1.....         | Cattaraugus..... | Cattaraugus.....  | 49      | 229  |
| B. Baroos No. 1.....           | Erie.....        | Eden.....         | 32      | 155  |
| B. E. Barranger No. 1.....     | Allegany.....    | Angelica.....     | 27      | 210  |
| D. Barranger No. 1.....        | Allegany.....    | Angelica.....     | 30      | 210  |
| J. Barrett No. 1.....          | Erie.....        | Cattaraugus.....  | 26      | 224  |
| G. Barvian No. 1.....          | Wyoming.....     | Arcade.....       | 19      | 119  |
| M. Bassett No. 1.....          | Allegany.....    | Wellsville.....   | 56      | 287  |
| R. Bates No. 1 * (*) **.....   | Chautauqua.....  | Chautauqua.....   | 2       | 317  |
| D. Battaglia.....              | Chautauqua.....  | Silver Creek..... | 80      | 198  |
| Battleson No. 1 (*P).....      | Chautauqua.....  | Dunkirk.....      | 50      | 268  |
| G. Batton No. 1 **P.....       | Erie.....        | Eden.....         | 117     | 174  |
| Bauer No. 1.....               | Erie.....        | Springville.....  | 107     | 148  |
| K. H. Bauer No. 1.....         | Wyoming.....     | Attica.....       | 96      | 71   |
| D. Beacher.....                | Erie.....        | Attica.....       | 41      | 59   |
| S. J. Beachy.....              | Genesee.....     | Attica.....       | 30      | 57   |
| Beaver.....                    | Genesee.....     | Batavia.....      | 13      | 39   |
| E. Beck No. 1.....             | Erie.....        | Eden.....         | 130     | 177  |
| E. & B. Becker No. 1.....      | Wyoming.....     | Attica.....       | 57      | 63   |
| E. & B. Becker No. 2.....      | Wyoming.....     | Attica.....       | 61      | 63   |
| F. Becker No. 1.....           | Erie.....        | Springville.....  | 4       | 125  |
| H. J. Becker.....              | Erie.....        | Cattaraugus.....  | 10      | 220  |
| N. Becker.....                 | Erie.....        | Buffalo.....      | 6       | 99   |
| N. Becker No. 2.....           | Erie.....        | Buffalo.....      | 10      | 100  |
| Beebe No. 1.....               | Chautauqua.....  | Cherry Creek..... | 53      | 245  |
| Beebe No. 1.....               | Allegany.....    | Olean.....        | 26      | 303  |
| C. Beebe No. 1.....            | Chautauqua.....  | Cherry Creek..... | 51      | 244  |
| Beemis Est. No. 1.....         | Cattaraugus..... | Salamanca.....    | 22      | 308  |
| M. Belko.....                  | Erie.....        | Silver Creek..... | 17      | 184  |
| J. Belscher No. 2.....         | Erie.....        | Eden.....         | 75      | 165  |
| J. Belscher No. 3.....         | Erie.....        | Eden.....         | 76      | 165  |
| J. E. Bender No. 1.....        | Cattaraugus..... | Attica.....       | 45      | 60   |
| B. Benjamin No. 1.....         | Allegany.....    | Angelica.....     | 49      | 215  |
| P. Benn No. 1.....             | Erie.....        | Eden.....         | 24      | 154  |
| Bennett.....                   | Genesee.....     | Attica.....       | 25      | 55   |
| Bennett No. 1.....             | Erie.....        | Attica.....       | 22      | 55   |
| L. Bennett No. 1.....          | Allegany.....    | Canaseraga.....   | 1       | 201  |

TABLE I (Cont.)

| RECORD                        | COUNTY         | QUADRANGLE       | MAP NO. | PAGE |
|-------------------------------|----------------|------------------|---------|------|
| H. Benrens No. 1.....         | Allegany.....  | Canaseraga.....  | 2       | 201  |
| G. Bensley No. 1.....         | Erie.....      | Eden.....        | 14      | 151  |
| R. Benson.....                | Cattaraugus... | Cherry Creek...  | 84      | 251  |
| A. Benzing No. 1.....         | Erie.....      | Buffalo.....     | 40      | 107  |
| C. Berg No. 1.....            | Erie.....      | Buffalo.....     | 37      | 106  |
| L. Berg No. 1.....            | Erie.....      | Buffalo.....     | 29      | 105  |
| Berkemeier No. 1.....         | Genesee.....   | Batavia.....     | 17      | 40   |
| J. Bethka No. 1.....          | Erie.....      | Depew.....       | 30      | 79   |
| F. Bertker No. 1.....         | Erie.....      | Eden.....        | 137     | 179  |
| W. Betts No. 1 **P.....       | Chautauqua...  | Westfield.....   | 4       | 273  |
| Billings No. 1.....           | Allegany.....  | Wellsville.....  | 61      | 288  |
| F. Birge.....                 | Genesee.....   | Attica.....      | 5       | 51   |
| K. Black No. 1.....           | Allegany.....  | Wellsville.....  | 9       | 276  |
| L. Black.....                 | Chautauqua...  | Cherry Creek...  | 60      | 246  |
| W. Blair.....                 | Erie.....      | Depew.....       | 26      | 78   |
| S. Blakely No. 1.....         | Erie.....      | Springville..... | 6       | 126  |
| P. Blege No. 1.....           | Erie.....      | Eden.....        | 44      | 158  |
| Bliss Salt Well **P.....      | Wyoming.....   | Arcade.....      | 39      | 124  |
| D. Bliss No. 2.....           | Cattaraugus... | Olean.....       | 10      | 299  |
| Blodgett.....                 | Chautauqua...  | Dunkirk.....     | 67      | 272  |
| Bloecher No. 1.....           | Erie.....      | Depew.....       | 108     | 96   |
| C. Blood No. 1.....           | Erie.....      | Depew.....       | 110     | 97   |
| J. Boardway No. 1.....        | Erie.....      | Eden.....        | 106     | 172  |
| F. Boler No. 1.....           | Erie.....      | Buffalo.....     | 41      | 107  |
| C. Bontrager.....             | Genesee.....   | Attica.....      | 99      | 72   |
| J. Borden No. 1.....          | Wyoming.....   | Attica.....      | 63      | 64   |
| Bordwell.....                 | Genesee.....   | Attica.....      | 33      | 57   |
| W. Borrows No. 1.....         | Allegany.....  | Wellsville.....  | 37      | 282  |
| J. Bosko No. 1.....           | Erie.....      | Depew.....       | 106     | 96   |
| H. Bosworth No. 1.....        | Erie.....      | Silver Creek...  | 2       | 180  |
| Botens-Swift No. 1.....       | Allegany.....  | Franklinville... | 7       | 216  |
| L. Bowman No. 1.....          | Erie.....      | Eden.....        | 82      | 167  |
| A. Boy.....                   | Erie.....      | Depew.....       | 4       | 73   |
| F. Bradigan No. 1.....        | Chautauqua...  | Cherry Creek...  | 38      | 241  |
| R. Bradley No. 1.....         | Genesee.....   | Batavia.....     | 25      | 42   |
| R. O. Bradley.....            | Chautauqua...  | Silver Creek...  | 53      | 192  |
| Bradshaw No. 2.....           | Niagara.....   | Olcott.....      | 1       | 22   |
| Bradshaw No. 1.....           | Niagara.....   | Olcott.....      | 2       | 22   |
| G. F. Brady.....              | Genesee.....   | Attica.....      | 4       | 51   |
| C. Bragg No. 1.....           | Erie.....      | Springville..... | 14      | 127  |
| Wm. Breitkruz No. 1.....      | Erie.....      | Buffalo.....     | 31      | 105  |
| R. J. Brennan No. 1.....      | Cattaraugus... | Salamanca.....   | 9       | 305  |
| Briggs No. 1 **.....          | Allegany.....  | Belmont.....     | 19      | 294  |
| G. Britting No. 1.....        | Erie.....      | Silver Creek...  | 6       | 181  |
| Brocton.....                  | Chautauqua...  | Dunkirk.....     | 37      | 265  |
| Brocton.....                  | Chautauqua...  | Dunkirk.....     | 38      | 265  |
| F. Brooks No. 1.....          | Erie.....      | Eden.....        | 126     | 176  |
| J. Brossman et al. No. 1..... | Erie.....      | Buffalo.....     | 27      | 104  |
| J. Broughton No. 1.....       | Wyoming.....   | Batavia.....     | 58      | 49   |

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| Brown No. 1.....                     | Erie.....      | Eden.....        | 111     | 173  |
| Brown Oil & Gas Co.....              | Chautauqua...  | Cherry Creek.... | 73      | 249  |
| C. Brown No. 1.....                  | Erie.....      | Silver Creek.... | 1       | 180  |
| F. Brown No. 1.....                  | Cattaraugus... | Olean.....       | 2       | 297  |
| F. Brown No. 2.....                  | Cattaraugus... | Olean.....       | 3       | 297  |
| M. Brown No. 1.....                  | Allegany.....  | Olean.....       | 15      | 300  |
| Brucksopp No. 1.....                 | Wyoming.....   | Attica.....      | 91      | 70   |
| G. Buchele.....                      | Erie.....      | Depew.....       | 9       | 74   |
| Bucher No. 1.....                    | Chautauqua...  | Dunkirk.....     | 32      | 264  |
| W. Buck.....                         | Genesee.....   | Batavia.....     | 20      | 41   |
| W. Buck No. 2.....                   | Genesee.....   | Batavia.....     | 21      | 41   |
| E. Buckey No. 1.....                 | Erie.....      | Eden.....        | 139     | 179  |
| H. Bucknam No. 1.....                | Erie.....      | Springville....  | 91      | 145  |
| Buell **.....                        | Allegany.....  | Angelica.....    | 5       | 205  |
| P. Buerger No. 1.....                | Erie.....      | Depew.....       | 97      | 94   |
| Buffalo Crushed Stone Co. No. 3..... | Erie.....      | Depew.....       | 13      | 75   |
| H. Bullis No. 1.....                 | Erie.....      | Depew.....       | 100     | 94   |
| N. Bunce No. 1.....                  | Cattaraugus... | Cherry Creek.... | 92      | 253  |
| Burke et al. No. 1.....              | Erie.....      | Buffalo.....     | 33      | 105  |
| Burke et al. No. 3.....              | Erie.....      | Buffalo.....     | 34      | 105  |
| D. Burns No. 1.....                  | Erie.....      | Springville....  | 85      | 143  |
| G. W. & Grace Burns No. 1.....       | Cattaraugus... | Franklinville... | 1       | 215  |
| W. Burns No. 1.....                  | Allegany.....  | Wellsville.....  | 26      | 280  |
| E. Butcher No. 1.....                | Chautauqua...  | Cherry Creek.... | 48      | 243  |
| G. Button.....                       | Chautauqua...  | Dunkirk.....     | 22      | 262  |
| W. Byers No. 1.....                  | Erie.....      | Springville....  | 17      | 128  |
| L. Bylbie No. 1.....                 | Erie.....      | Cattaraugus....  | 30      | 225  |
| B. Byron.....                        | Allegany.....  | Angelica.....    | 21      | 208  |
| Cabazoski.....                       | Chautauqua...  | Cherry Creek.... | 64      | 247  |
| Cadwell No. 1.....                   | Chautauqua...  | Silver Creek.... | 61      | 193  |
| C. Campbell.....                     | Cattaraugus... | Cherry Creek.... | 85      | 252  |
| L. Campbell.....                     | Erie.....      | Silver Creek.... | 3       | 181  |
| Campfire Girls Inc.....              | Erie.....      | Depew.....       | 113     | 97   |
| W. Canaan No. 1.....                 | Wyoming.....   | Batavia.....     | 42      | 45   |
| C. Cappeland No. 1.....              | Chautauqua...  | Silver Creek.... | 60      | 193  |
| Carpenter No. 1.....                 | Allegany.....  | Belmont.....     | 16      | 293  |
| Carpenter No. 2.....                 | Allegany.....  | Belmont.....     | 15      | 293  |
| A. Carpenter No. 4.....              | Erie.....      | Silver Creek.... | 5       | 181  |
| F. Carpenter No. 1.....              | Allegany.....  | Belmont.....     | 13      | 292  |
| A. Cartwright No. 1.....             | Allegany.....  | Canaseraga.....  | 15      | 204  |
| J. Cary.....                         | Erie.....      | Springville....  | 46      | 135  |
| L. Cary No. 1.....                   | Chautauqua...  | Cherry Creek.... | 18      | 237  |
| Cassey.....                          | Chautauqua...  | Dunkirk.....     | 3       | 258  |
| L. Catalpa No. 1.....                | Cattaraugus... | Cattaraugus....  | 47      | 228  |
| F. Chadwick No. 1 **.....            | Allegany.....  | Belmont.....     | 27      | 295  |
| L. Chappell.....                     | Chautauqua...  | Cherry Creek.... | 9       | 235  |
| H. Chase No. 1.....                  | Chautauqua...  | Cherry Creek.... | 56      | 245  |
| Lynn Chase No. 1.....                | Allegany.....  | Angelica.....    | 43      | 213  |

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| RECORD                      | COUNTY      | QUADRANGLE   | MAP NO. | PAGE |
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| M. Chase No. 1 **           | Wyoming     | Batavia      | 49      | 47   |
| M. Chekolsky No. 1          | Chautauqua  | Cherry Creek | 21      | 237  |
| J. Cheplo No. 1             | Erie        | Eden         | 129     | 177  |
| Chick No. 2                 | Genesee     | Attica       | 39      | 59   |
| Chick No. 1 **P             | Genesee     | Attica       | 40      | 59   |
| Chris No. 1                 | Chautauqua  | Westfield    | 1       | 273  |
| P. Christner No. 1          | Genesee     | Batavia      | 16      | 40   |
| Christy                     | Chautauqua  | Dunkirk      | 28      | 263  |
| C. Churchill No. 1          | Erie        | Springville  | 47      | 135  |
| L. Ciminello No. 1          | Chautauqua  | Dunkirk      | 57      | 270  |
| City Hospital Grounds No. 1 | Erie        | Buffalo      | 14      | 101  |
| Civilette                   | Chautauqua  | Dunkirk      | 45      | 267  |
| F. Clapsaddle               | Genesee     | Batavia      | 12      | 39   |
| Clark No. 1 **              | Allegany    | Angelica     | 40      | 213  |
| C. Clark Est. No. 1         | Allegany    | Wellsville   | 18      | 278  |
| E. E. Clark No. 1           | Wyoming     | Attica       | 59      | 63   |
| H. Clark No. 1              | Allegany    | Wellsville   | 15      | 277  |
| H. Clark No. 1              | Erie        | Depew        | 104     | 95   |
| H. Clark No. 2              | Erie        | Eden         | 96      | 170  |
| J. Clark Est. No. 1         | Allegany    | Wellsville   | 47      | 285  |
| Kate Clark                  | Allegany    | Wellsville   | 68      | 289  |
| R. Clark No. 1              | Allegany    | Wellsville   | 53      | 286  |
| J. L. Clarks No. 1          | Erie        | Buffalo      | 24      | 103  |
| T. Clayson No. 1 *P         | Cattaraugus | Olean        | 24      | 302  |
| B. D. Cline No. 1           | Allegany    | Angelica     | 38      | 212  |
| R. Cline No. 1              | Allegany    | Angelica     | 41      | 213  |
| R. Cline No. 1              | Allegany    | Angelica     | 42      | 213  |
| H. Clothier No. 1           | Chautauqua  | Silver Creek | 74      | 196  |
| R. W. Cole No. 2            | Wyoming     | Attica       | 73      | 66   |
| H. Colgan No. 1             | Allegany    | Wellsville   | 25      | 280  |
| E. Collins No. 4            | Chautauqua  | Cherry Creek | 5       | 234  |
| Company Lot                 | Erie        | Tonawanda    | 9       | 28   |
| Company Lot (*)             | Erie        | Tonawanda    | 11      | 28   |
| Company Lot                 | Erie        | Attica       | 18      | 54   |
| Company Lots No. 1          | Erie        | Buffalo      | 7       | 100  |
| Conger                      | Cattaraugus | Cherry Creek | 106     | 257  |
| M. Connor No. 1 * **        | Allegany    | Angelica     | 4       | 205  |
| G. Conrad No. 1             | Allegany    | Canaseraga   | 8       | 202  |
| Constantine et al. No. 1    | Erie        | Eden         | 13      | 151  |
| J. & J. Conway              | Genesee     | Batavia      | 10      | 38   |
| G. M. Cook No. 1            | Allegany    | Angelica     | 44      | 213  |
| G. M. Cook No. 2 *          | Allegany    | Angelica     | 45      | 214  |
| H. Cook                     | Genesee     | Batavia      | 37      | 44   |
| W. Cook No. 1               | Genesee     | Caledonia    | 1       | 30   |
| M. V. Coon No. 1            | Allegany    | Angelica     | 50      | 215  |
| C. Cooper No. 1             | Erie        | Springville  | 90      | 144  |
| D. Cooper No. 1             | Allegany    | Belmont      | 12      | 292  |
| P. Cooper                   | Erie        | Depew        | 29      | 79   |
| Corbet                      | Erie        | Cattaraugus  | 5       | 219  |



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| RECORD                       | COUNTY           | QUADRANGLE        | MAP NO. | PAGE |
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| Corfu Well.....              | Genesee.....     | Attica.....       | 11      | 52   |
| F. Cornelius No. 1.....      | Allegany.....    | Wellsville.....   | 41      | 283  |
| F. Cornelius No. 1.....      | Allegany.....    | Wellsville.....   | 6       | 275  |
| M. Costello.....             | Allegany.....    | Wellsville.....   | 28      | 280  |
| G. Cotton No. 1.....         | Erie.....        | Depew.....        | 78      | 89   |
| H. Cox.....                  | Wyoming.....     | Batavia.....      | 48      | 47   |
| M. Crandall No. 1.....       | Allegany.....    | Wellsville.....   | 21      | 279  |
| M. Crandall No. 2 *P **..... | Allegany.....    | Wellsville.....   | 20      | 279  |
| M. E. Crandell No. 1 **..... | Allegany.....    | Angelica.....     | 34      | 211  |
| S. Crandall No. 1.....       | Allegany.....    | Wellsville.....   | 69      | 289  |
| S. Crandall No. 2.....       | Allegany.....    | Wellsville.....   | 50      | 285  |
| L. Cranston No. 1.....       | Erie.....        | Springville.....  | 32      | 131  |
| E. Cross No. 1.....          | Chautauqua.....  | Cherry Creek..... | 37      | 241  |
| R. Cross No. 1 **P.....      | Chautauqua.....  | Silver Creek..... | 65      | 194  |
| Crowe.....                   | Erie.....        | Eden.....         | 122     | 175  |
| H. Crowell No. 1.....        | Erie.....        | Eden.....         | 127     | 177  |
| Cummings No. 1.....          | Wyoming.....     | Portage.....      | 3       | 111  |
| P. Curtiss No. 1 **.....     | Cattaraugus..... | Cherry Creek..... | 102     | 255  |
| T. Czsyz No. 1.....          | Chautauqua.....  | Cherry Creek..... | 17      | 237  |
|                              |                  |                   |         |      |
| H. Dabb No. 1.....           | Erie.....        | Depew.....        | 94      | 93   |
| E. Daehm.....                | Genesee.....     | Attica.....       | 9       | 52   |
| F. Danheiser No. 1.....      | Erie.....        | Eden.....         | 9       | 150  |
| J. Daniquist No. 1.....      | Erie.....        | Eden.....         | 30      | 155  |
| G. & J. Daresky.....         | Genesee.....     | Batavia.....      | 19      | 40   |
| T. Darling No. 1.....        | Chautauqua.....  | Cherry Creek..... | 70      | 248  |
| C. Davis No. 1 **.....       | Genesee.....     | Caledonia.....    | 4       | 31   |
| K. Davis No. 1 **P.....      | Wyoming.....     | Caledonia.....    | 26      | 36   |
| R. Davis.....                | Erie.....        | Silver Creek..... | 4       | 181  |
| H. Day No. 1.....            | Erie.....        | Depew.....        | 101     | 95   |
| M. H. Day No. 1.....         | Allegany.....    | Angelica.....     | 29      | 210  |
| Dean Est. No. 1.....         | Allegany.....    | Wellsville.....   | 24      | 279  |
| J. Decker No. 1.....         | Erie.....        | Eden.....         | 77      | 165  |
| L. Deenfreund No. 1.....     | Erie.....        | Depew.....        | 98      | 94   |
| Delahey No. 1.....           | Chautauqua.....  | Dunkirk.....      | 66      | 272  |
| A. Demkowski No. 1.....      | Erie.....        | Depew.....        | 25      | 78   |
| C. N. DeMuth.....            | Genesee.....     | Attica.....       | 37      | 58   |
| J. Denz.....                 | Erie.....        | Depew.....        | 52      | 84   |
| P. DePasquale No. 1.....     | Chautauqua.....  | Silver Creek..... | 70      | 195  |
| Depew Well No. 2 **P.....    | Erie.....        | Depew.....        | 17      | 76   |
| M. J. Depher No. 1.....      | Erie.....        | Eden.....         | 142     | 180  |
| Dewey Est. No. 1.....        | Cattaraugus..... | Cattaraugus.....  | 45      | 228  |
| F. Dewey No. 1.....          | Cattaraugus..... | Cattaraugus.....  | 44      | 228  |
| DeWolfe & McDowell.....      | Cattaraugus..... | Salamanca.....    | 24      | 309  |
| V. DeWolfe et al. No. 1..... | Cattaraugus..... | Salamanca.....    | 15      | 306  |
| F. Dick No. 1 **.....        | Allegany.....    | Belmont.....      | 26      | 295  |
| H. Dickenson No. 1.....      | Chautauqua.....  | Cherry Creek..... | 33      | 240  |
| W. Dickenson No. 1.....      | Chautauqua.....  | Silver Creek..... | 47      | 190  |
| Diehl Est. No. 1.....        | Erie.....        | Depew.....        | 74      | 89   |

TABLE I (Cont.)

| RECORD                            | COUNTY        | QUADRANGLE       | MAP NO. | PAGE |
|-----------------------------------|---------------|------------------|---------|------|
| Dillenburg No. 1.....             | Chautauqua..  | Dunkirk.....     | 26      | 263  |
| D. Dillingham No. 1.....          | Erie.....     | Eden.....        | 97      | 170  |
| M. Dole.....                      | Erie.....     | Eden.....        | 80      | 166  |
| A. Dombowski No. 2.....           | Erie.....     | Depew.....       | 27      | 78   |
| B. Dominiski No. 1.....           | Chautauqua..  | Cherry Creek.... | 25      | 238  |
| A. Donelson No. 1 *P **P.....     | Chautauqua..  | Chautauqua.....  | 9       | 318  |
| E. Doner No. 1 *P.....            | Cattaraugus.. | Olean.....       | 23      | 302  |
| W. Doty.....                      | Chautauqua..  | Silver Creek.... | 73      | 196  |
| Downes No. 1.....                 | Allegany..... | Wellsville.....  | 22      | 279  |
| D. Doyle No. 1.....               | Erie.....     | Buffalo.....     | 36      | 106  |
| Dubbert.....                      | Chautauqua..  | Cherry Creek.... | 58      | 246  |
| H. F. Dudmeyer No. 1.....         | Erie.....     | Cattaraugus..... | 7       | 219  |
| C. Duffy No. 1 *.....             | Allegany..... | Canaseraga.....  | 7       | 202  |
| W. E. Dupont No. 1.....           | Erie.....     | Cattaraugus..... | 9       | 220  |
| F. Duttwiler.....                 | Erie.....     | Depew.....       | 50      | 83   |
| J. Dutwiler.....                  | Erie.....     | Depew.....       | 53      | 84   |
| A. Dye No. 1.....                 | Chautauqua..  | Cherry Creek.... | 34      | 240  |
| Dziekomi No. 1.....               | Allegany..... | Angelica.....    | 11      | 206  |
| G. Earle No. 1.....               | Erie.....     | Springville..... | 30      | 131  |
| East Aurora Basket Co. No. 1..... | Erie.....     | Arcade.....      | 10      | 117  |
| F. Eaton.....                     | Wyoming.....  | Caledonia.....   | 27      | 36   |
| M. Ebling No. 1.....              | Chautauqua..  | Silver Creek.... | 48      | 191  |
| J. Eder No. 1.....                | Erie.....     | Eden.....        | 72      | 164  |
| F. Edwards No. 1.....             | Cattaraugus.. | Cherry Creek.... | 88      | 252  |
| W. Edzold **P.....                | Genesee.....  | Attica.....      | 28      | 56   |
| J. Eggert No. 1.....              | Erie.....     | Depew.....       | 12      | 75   |
| F. Ehinger No. 1.....             | Erie.....     | Buffalo.....     | 21      | 103  |
| Ehrentraut No. 2.....             | Monroe.....   | Bergen.....      | 1       | 23   |
| Ehrentraut No. 3.....             | Monroe.....   | Bergen.....      | 6       | 24   |
| H. Eisenhut No. 1.....            | Erie.....     | Buffalo.....     | 30      | 105  |
| W. Eiss No. 1.....                | Erie.....     | Depew.....       | 45      | 82   |
| W. Elemke No. 1.....              | Erie.....     | Silver Creek.... | 11      | 182  |
| Ellis No. 1 * (*).....            | Cattaraugus.. | Cherry Creek.... | 105     | 256  |
| Elma Deep Well **P.....           | Erie.....     | Depew.....       | 80      | 90   |
| Wm. Embling No. 1.....            | Monroe.....   | Bergen.....      | 4       | 23   |
| N. Y. Emerick No. 1.....          | Allegany..... | Belmont.....     | 18      | 293  |
| H. Emerling No. 1.....            | Erie.....     | Springville..... | 55      | 137  |
| Henry Emilkamp **.....            | Orleans.....  | Albion.....      | 1       | 25   |
| Empire-Rogers No. 1.....          | Allegany..... | Wellsville.....  | 27      | 280  |
| Engalls Est. No. 1.....           | Allegany..... | Canaseraga.....  | 9       | 202  |
| Ensign et al.....                 | Chautauqua..  | Cherry Creek.... | 3       | 233  |
| P. Ensinger No. 1.....            | Erie.....     | Buffalo.....     | 8       | 100  |
| S. Erdle.....                     | Chautauqua..  | Silver Creek.... | 55      | 192  |
| C. Estee **.....                  | Chautauqua..  | Cherry Creek.... | 71      | 249  |
| L. Estus.....                     | Cattaraugus.. | Cattaraugus..... | 39      | 227  |
| R. Ewald No. 1.....               | Erie.....     | Buffalo.....     | 38      | 106  |
| R. Ewald No. 1.....               | Erie.....     | Buffalo.....     | 23      | 103  |
| E. S. Ewell No. 1.....            | Wyoming.....  | Batavia.....     | 47      | 47   |

TABLE I (Cont.)

| RECORD                   | COUNTY      | QUADRANGLE   | MAP NO. | PAGE |
|--------------------------|-------------|--------------|---------|------|
| J. E. Ewell              | Erie        | Attica       | 20      | 54   |
| Fagen                    | Genesee     | Batavia      | 34      | 44   |
| F. Fagen No. 1 **        | Wyoming     | Caledonia    | 25      | 35   |
| J. Falaroe No. 1         | Erie        | Springville  | 60      | 138  |
| A. Falcone No. 1         | Chautauqua  | Cherry Creek | 4       | 234  |
| A. Falker                | Genesee     | Attica       | 2       | 50   |
| H. Fancher No. 2         | Cattaraugus | Cherry Creek | 86      | 252  |
| F. Fandt                 | Chautauqua  | Dunkirk      | 11      | 259  |
| Farley No. 1 **          | Genesee     | Caledonia    | 3       | 31   |
| H. Farnsworth No. 1      | Cattaraugus | Cattaraugus  | 46      | 228  |
| V. Fasner No. 1          | Erie        | Eden         | 131     | 177  |
| Mrs. Faulding No. 1      | Erie        | Buffalo      | 48      | 109  |
| Fee No. 1 **             | Erie        | Depew        | 116     | 98   |
| Fee No. 2                | Erie        | Buffalo      | 13      | 101  |
| Fee No. 1                | Erie        | Buffalo      | 53      | 110  |
| Fee No. 14               | Wyoming     | Portage      | 19      | 115  |
| Fee No. 1                | Wyoming     | Arcade       | 40      | 124  |
| Fee No. 2                | Wyoming     | Arcade       | 41      | 124  |
| Fee No. 3 *P             | Erie        | Springville  | 102     | 147  |
| M. Feinen                | Chautauqua  | Dunkirk      | 23      | 262  |
| B. Feldman No. 1         | Erie        | Depew        | 5       | 73   |
| V. & R. Felitto          | Chautauqua  | Silver Creek | 33      | 187  |
| J. Fick Est. No. 1       | Erie        | Buffalo      | 39      | 107  |
| W. Fisher                | Erie        | Depew        | 65      | 87   |
| Flagus                   | Cattaraugus | Cattaraugus  | 37      | 226  |
| L. Fleischman No. 1      | Erie        | Springville  | 40      | 133  |
| Fleming No. 1 *P         | Allegany    | Canaseraga   | 11      | 203  |
| Flint Nat. Gas Co.       | Genesee     | Attica       | 3       | 51   |
| H. Flower                | Wyoming     | Batavia      | 44      | 46   |
| N. Fog                   | Cattaraugus | Cattaraugus  | 55      | 230  |
| Fogelsonger's Quarry     | Erie        | Buffalo      | 12      | 101  |
| R. C. Ford No. 1         | Allegany    | Angelica     | 32      | 211  |
| F. & N. Forge No. 2      | Erie        | Arcade       | 6       | 116  |
| F. & N. Forge No. 1      | Erie        | Arcade       | 7       | 117  |
| F. & N. Forge No. 3      | Erie        | Arcade       | 9       | 117  |
| Forsythe Est. No. 1      | Allegany    | Wellsville   | 60      | 287  |
| A. Foss No. 1            | Erie        | Springville  | 20      | 129  |
| E. Foss No. 1            | Erie        | Springville  | 31      | 131  |
| E. Foss No. 1            | Erie        | Depew        | 91      | 92   |
| E. & A. Foss No. 1       | Erie        | Depew        | 114     | 97   |
| L. Foss No. 1            | Erie        | Depew        | 109     | 96   |
| W. Foss No. 1            | Erie        | Depew        | 107     | 96   |
| W. Foss No. 2            | Erie        | Depew        | 112     | 97   |
| Fox                      | Chautauqua  | Dunkirk      | 60      | 270  |
| A. Fox No. 1             | Erie        | Depew        | 69      | 87   |
| Francisco No. 1          | Allegany    | Belmont      | 14      | 293  |
| G. Franklin No. 1 ** **P | Cattaraugus | Cherry Creek | 99      | 255  |
| R. Franklin              | Chautauqua  | Silver Creek | 81      | 198  |

TABLE I (Cont.)

| RECORD                       | COUNTY           | QUADRANGLE         | MAP NO. | PAGE |
|------------------------------|------------------|--------------------|---------|------|
| J. Freeman No. 1.....        | Erie.....        | Depew.....         | 102     | 95   |
| I. Frenshonie No. 1.....     | Chautauqua.....  | Dunkirk.....       | 69      | 272  |
| E. Freytag No. 1.....        | Erie.....        | Eden.....          | 35      | 156  |
| E. Fries.....                | Erie.....        | Buffalo.....       | 5       | 99   |
| J. Frish.....                | Erie.....        | Tonawanda.....     | 4       | 27   |
| Frost et al. ....            | Chautauqua.....  | Silver Creek.....  | 45      | 190  |
| M. Frost No. 1.....          | Chautauqua.....  | Silver Creek.....  | 59      | 193  |
| P. Fry.....                  | Chautauqua.....  | Silver Creek.....  | 75      | 196  |
| Frye No. 1 **P.....          | Chautauqua.....  | Silver Creek.....  | 63      | 194  |
| Fuller No. 1.....            | Cattaraugus..... | Ellicottville..... | 2       | 217  |
| Fuller Shaft No. 1 (*P)..... | Livingston.....  | Caledonia.....     | 18      | 34   |
| Gabel No. 1.....             | Cattaraugus..... | Cherry Creek.....  | 79      | 250  |
| A. Gabel No. 1.....          | Cattaraugus..... | Cattaraugus.....   | 32      | 225  |
| J. Gadsby No. 1.....         | Allegany.....    | Belmont.....       | 31      | 296  |
| E. Gage No. 1.....           | Chautauqua.....  | Cherry Creek.....  | 32      | 240  |
| M. Gage No. 1.....           | Chautauqua.....  | Cherry Creek.....  | 57      | 245  |
| F. Gang No. 1.....           | Cattaraugus..... | Salamanca.....     | 10      | 305  |
| Gardiner No. 1.....          | Allegany.....    | Wellsville.....    | 13      | 277  |
| G. Gardner No. 1.....        | Erie.....        | Eden.....          | 23      | 153  |
| J. Garvey No. 1 **P.....     | Cattaraugus..... | Cherry Creek.....  | 98      | 255  |
| Gasport Well **P.....        | Niagara.....     | Lockport.....      | 1       | 25   |
| J. & E. Gast No. 1.....      | Erie.....        | Depew.....         | 38      | 81   |
| T. Gates No. 1.....          | Erie.....        | Buffalo.....       | 46      | 108  |
| T. Gates No. 2.....          | Erie.....        | Eden.....          | 25      | 154  |
| H. Gear.....                 | Chautauqua.....  | Cherry Creek.....  | 63      | 247  |
| General Ice Cream Co.....    | Cattaraugus..... | Cherry Creek.....  | 104     | 256  |
| Gens No. 1.....              | Chautauqua.....  | Dunkirk.....       | 29      | 263  |
| Genung, DeForrest No. 1..... | Allegany.....    | Belmont.....       | 29      | 296  |
| Genung, DeForrest No. 1..... | Allegany.....    | Belmont.....       | 30      | 296  |
| George No. 1.....            | Erie.....        | Arcade.....        | 1       | 115  |
| H. George.....               | Erie.....        | Silver Creek.....  | 24      | 185  |
| P. George No. 1.....         | Wyoming.....     | Arcade.....        | 24      | 120  |
| R. George No. 1.....         | Erie.....        | Arcade.....        | 12      | 118  |
| German.....                  | Niagara.....     | Tonawanda.....     | 1       | 26   |
| G. German No. 1.....         | Cattaraugus..... | Olean.....         | 6       | 298  |
| P. Gernold No. 1.....        | Erie.....        | Eden.....          | 26      | 154  |
| Gerry Homes No. 1 *P **..... | Chautauqua.....  | Chautauqua.....    | 3       | 317  |
| F. Gerwell No. 1.....        | Erie.....        | Depew.....         | 63      | 86   |
| G. Giambrene.....            | Chautauqua.....  | Dunkirk.....       | 43      | 267  |
| Gibbs.....                   | Chautauqua.....  | Dunkirk.....       | 47      | 267  |
| J. Gibson.....               | Genesee.....     | Medina.....        | 2       | 25   |
| J. Gibson **P.....           | Genesee.....     | Medina.....        | 3       | 25   |
| M. Gifford No. 1.....        | Erie.....        | Eden.....          | 20      | 153  |
| Giglio No. 1.....            | Monroe.....      | Bergen.....        | 2       | 23   |
| Gilbert No. 1 **.....        | Erie.....        | Depew.....         | 56      | 85   |
| A. Gilbert No. 1 **.....     | Allegany.....    | Belmont.....       | 23      | 295  |
| Gillett.....                 | Allegany.....    | Angelica.....      | 7       | 205  |
| E. Gillette.....             | Allegany.....    | Belmont.....       | 17      | 293  |



TABLE I (Cont.)

| RECORD                   | COUNTY      | QUADRANGLE   | MAP NO. | PAGE |
|--------------------------|-------------|--------------|---------|------|
| J. J. Gilmore            | Livingston  | Caledonia    | 13      | 33   |
| A. Gipple No. 1          | Erie        | Depew        | 11      | 75   |
| M. Girst No. 1           | Erie        | Springville  | 105     | 148  |
| H. G. Glor No. 1         | Wyoming     | Attica       | 98      | 72   |
| S. Godlaska No. 1        | Erie        | Springville  | 54      | 136  |
| J. Goldman No. 1         | Erie        | Springville  | 28      | 131  |
| E. Goodrich et al. No. 1 | Cattaraugus | Randolph     | 11      | 312  |
| E. Gore **P              | Wyoming     | Batavia      | 41      | 45   |
| J. Goss No. 1            | Erie        | Depew        | 24      | 77   |
| F. Gothier No. 1         | Chautauqua  | Silver Creek | 68      | 195  |
| F. Gould et al. No. 1    | Erie        | Eden         | 2       | 149  |
| K. Gould No. 1           | Erie        | Springville  | 78      | 142  |
| Goulding                 | Chautauqua  | Dunkirk      | 10      | 259  |
| B. Graff No. 1 *         | Cattaraugus | Salamanca    | 18      | 307  |
| A. Graham No. 1          | Erie        | Springville  | 92      | 145  |
| Grand Island Gas Co.     | Erie        | Buffalo      | 50      | 109  |
| D. Graney                | Erie        | Silver Creek | 12      | 183  |
| I. Grantier No. 1        | Cattaraugus | Cherry Creek | 90      | 253  |
| J. Grass No. 1           | Erie        | Cattaraugus  | 19      | 222  |
| C. Graves No. 1 * **     | Allegany    | Wellsville   | 48      | 285  |
| C. Gray No. 1            | Erie        | Eden         | 49      | 159  |
| C. Greely No. 1          | Cattaraugus | Cherry Creek | 100     | 255  |
| Green                    | Chautauqua  | Dunkirk      | 35      | 265  |
| E. Green No. 1           | Allegany    | Wellsville   | 51      | 285  |
| W. Greenzicki No. 1      | Erie        | Springville  | 83      | 143  |
| D. Grennell No. 1        | Erie        | Silver Creek | 20      | 184  |
| W. Grennell No. 1        | Erie        | Silver Creek | 19      | 184  |
| G. Grindel No. 1         | Erie        | Eden         | 50      | 159  |
| Griswold                 | Chautauqua  | Cherry Creek | 7       | 234  |
| W. Grotke No. 1          | Erie        | Depew        | 77      | 89   |
| C. C. Grover (*)         | Genesee     | Attica       | 15      | 53   |
| A. Grundel No. 1         | Erie        | Springville  | 43      | 134  |
| O. Grundel No. 1         | Erie        | Springville  | 42      | 134  |
| D. Guard No. 1           | Erie        | Springville  | 19      | 129  |
| J. Guinther              | Erie        | Buffalo      | 4       | 99   |
| Gunther Est. No. 2       | Erie        | Tonawanda    | 5       | 27   |
| E. Gutskunst No. 1       | Erie        | Springville  | 70      | 140  |
| A. Haas No. 1            | Erie        | Depew        | 99      | 94   |
| A. Habeiner No. 1        | Erie        | Eden         | 74      | 165  |
| M. Habuer No. 1          | Erie        | Eden         | 65      | 163  |
| G. Hackett No. 1         | Allegany    | Belmont      | 9       | 291  |
| A. & P. Hale             | Genesee     | Attica       | 32      | 57   |
| Aultman Hale No. 1       | Cattaraugus | Salamanca    | 2       | 304  |
| E. Hall No. 1            | Cattaraugus | Cherry Creek | 75      | 249  |
| T. C. Hall No. 1         | Cattaraugus | Cherry Creek | 77      | 250  |
| W. Hall No. 2            | Cattaraugus | Cherry Creek | 78      | 250  |
| Hammond                  | Allegany    | Angelica     | 6       | 205  |
| G. Hammond No. 1         | Erie        | Silver Creek | 14      | 183  |

TABLE I (Cont.)

| RECORD                     | COUNTY        | QUADRANGLE        | MAP NO. | PAGE |
|----------------------------|---------------|-------------------|---------|------|
| C. Hanchett No. 1.....     | Allegany..... | Belmont.....      | 11      | 292  |
| F. Handy No. 1.....        | Erie.....     | Depew.....        | 46      | 82   |
| L. Hansen No. 1.....       | Cattaraugus.. | Ellicottville.... | 3       | 217  |
| Harback No. 1.....         | Allegany..... | Angelica.....     | 25      | 209  |
| John Harding No. 1 **..... | Wyoming.....  | Portage.....      | 15      | 114  |
| F. Harey No. 1.....        | Erie.....     | Eden.....         | 128     | 177  |
| A. Harmon.....             | Chautauqua..  | Silver Creek....  | 72      | 196  |
| L. Harris et al.....       | Allegany..... | Wellsville.....   | 65      | 289  |
| S. Harris No. 1.....       | Cattaraugus.. | Franklinville.... | 6       | 216  |
| K. Harvey No. 1.....       | Cattaraugus.. | Eden.....         | 141     | 180  |
| W. Hastings No. 1.....     | Erie.....     | Eden.....         | 21      | 153  |
| H. Hatmaker No. 1.....     | Erie.....     | Springville.....  | 10      | 127  |
| W. Hawley No. 1.....       | Wyoming.....  | Batavia.....      | 53      | 48   |
| E. Hayden No. 1.....       | Cattaraugus.. | Olean.....        | 9       | 299  |
| M. Hayes No. 1.....        | Allegany..... | Wellsville.....   | 4       | 275  |
| M. Hayes No. 2.....        | Allegany..... | Wellsville.....   | 3       | 275  |
| T. Hazelton No. 1.....     | Allegany..... | Wellsville.....   | 52      | 286  |
| H. Hazzard No. 1.....      | Chautauqua..  | Chautauqua....    | 8       | 318  |
| C. B. Heard No. 2.....     | Erie.....     | Cattaraugus....   | 12      | 221  |
| F. Heary No. 1.....        | Erie.....     | Eden.....         | 105     | 172  |
| Heath No. 1.....           | Chautauqua..  | Cherry Creek....  | 66      | 247  |
| W. Heath No. 1.....        | Erie.....     | Eden.....         | 39      | 157  |
| W. Heath No. 2.....        | Chautauqua..  | Silver Creek....  | 31      | 187  |
| N. Heichberger No. 1.....  | Erie.....     | Springville.....  | 45      | 134  |
| N. Heichberger No. 1.....  | Erie.....     | Springville.....  | 68      | 139  |
| J. Heigel.....             | Erie.....     | Depew.....        | 49      | 83   |
| M. Heiser No. 1.....       | Erie.....     | Eden.....         | 15      | 152  |
| G. Held No. 1.....         | Wyoming.....  | Attica.....       | 50      | 61   |
| G. Helwig No. 1.....       | Erie.....     | Depew.....        | 14      | 75   |
| W. Henris No. 2.....       | Chautauqua..  | Cherry Creek....  | 2       | 233  |
| A. Henshaw.....            | Chautauqua..  | Cherry Creek....  | 40      | 242  |
| J. Herdman No. 1 *P.....   | Allegany..... | Angelica.....     | 39      | 212  |
| D. Heron No. 1.....        | Cattaraugus.. | Cattaraugus....   | 67      | 233  |
| Hershberger No. 1.....     | Cattaraugus.. | Randolph.....     | 2       | 310  |
| Hibbard No. 1.....         | Erie.....     | Springville.....  | 16      | 128  |
| Hickox No. 2.....          | Wyoming.....  | Attica.....       | 49      | 61   |
| A. Hier No. 1.....         | Chautauqua..  | Cherry Creek....  | 45      | 243  |
| L. High.....               | Erie.....     | Depew.....        | 117     | 98   |
| E. Hill.....               | Genesee.....  | Attica.....       | 29      | 56   |
| R. Hill No. 1.....         | Erie.....     | Springville.....  | 18      | 128  |
| H. Hillker No. 2.....      | Chautauqua..  | Silver Creek....  | 71      | 196  |
| W. Hills No. 1.....        | Cattaraugus.. | Cherry Creek....  | 97      | 254  |
| W. Hines No. 1.....        | Erie.....     | Eden.....         | 6       | 150  |
| R. Hitchcock No. 1.....    | Cattaraugus.. | Cherry Creek....  | 93      | 253  |
| C. Hitchings No. 1.....    | Erie.....     | Springville.....  | 7       | 126  |
| Hobby No. 1.....           | Orleans.....  | Kendall.....      | 2       | 22   |
| R. Hochstellar No. 1.....  | Erie.....     | Eden.....         | 11      | 151  |
| F. Hofflower No. 1.....    | Erie.....     | Arcade.....       | 8       | 117  |
| E. Hoffman.....            | Erie.....     | Eden.....         | 92      | 169  |

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| Hogan No. 1             | Cattaraugus | Salamanca     | 29      | 310  |
| Hoge                    | Erie        | Eden          | 121     | 175  |
| Holcomb                 | Erie        | Cattaraugus   | 20      | 222  |
| T. Holmes No. 1         | Erie        | Springville   | 9       | 126  |
| Holt Est. No. 1         | Cattaraugus | Salamanca     | 3       | 304  |
| A. Hooker No. 1         | Cattaraugus | Cherry Creek  | 81      | 251  |
| S. Hooker No. 1         | Allegany    | Angelica      | 37      | 212  |
| C. Hoppe                | Erie        | Depew         | 86      | 91   |
| C. Horton No. 1         | Chautauqua  | Silver Creek  | 56      | 192  |
| Hotchkiss No. 2         | Cattaraugus | Randolph      | 4       | 311  |
| H. Hotchkiss No. 1 **   | Cattaraugus | Randolph      | 5       | 311  |
| H. Hotchkiss No. 1      | Cattaraugus | Randolph      | 6       | 311  |
| Howard No. 1            | Chautauqua  | Cherry Creek  | 30      | 239  |
| C. Howard No. 1 **P     | Cattaraugus | Franklinville | 4       | 216  |
| H. B. Howard No. 1      | Cattaraugus | Cherry Creek  | 107     | 257  |
| Howe No. 1              | Cattaraugus | Randolph      | 12      | 313  |
| F. Howe No. 1 **P       | Erie        | Arcade        | 17      | 119  |
| W. Howell               | Chautauqua  | Dunkirk       | 34      | 265  |
| H. Howes                | Wyoming     | Batavia       | 52      | 48   |
| E. G. Hoyt No. 1        | Allegany    | Angelica      | 14      | 207  |
| T. Hubbard Co.          | Chautauqua  | Silver Creek  | 67      | 195  |
| G. F. Hudson            | Livingston  | Caledonia     | 20      | 34   |
| H. Hudson No. 1         | Erie        | Arcade        | 4       | 116  |
| H. & E. Hudson No. 1    | Erie        | Arcade        | 2       | 115  |
| R. Hughes               | Chautauqua  | Chautauqua    | 1       | 317  |
| R. Humphrey No. 1 **P   | Wyoming     | Batavia       | 40      | 45   |
| J. Hunt No. 1           | Genesee     | Batavia       | 23      | 41   |
| J. Hunter No. 1         | Erie        | Cattaraugus   | 29      | 224  |
| C. Hurd No. 1           | Allegany    | Wellsville    | 11      | 277  |
| J. O. Hurlburt          | Chautauqua  | Cherry Creek  | 36      | 241  |
| S. Hurlburt No. 1       | Chautauqua  | Cherry Creek  | 43      | 242  |
| G. Hutchinson No. 1     | Erie        | Eden          | 19      | 153  |
| H. Hutchinson           | Erie        | Attica        | 19      | 54   |
| R. Hutchinson           | Genesee     | Batavia       | 33      | 43   |
| R. Hutchinson No. 1     | Wyoming     | Batavia       | 56      | 49   |
| R. Hutchinson No. 2     | Wyoming     | Batavia       | 57      | 49   |
| G. Hyde No. 1           | Erie        | Eden          | 100     | 171  |
| Ielfield No. 1          | Chautauqua  | Silver Creek  | 57      | 193  |
| Indian Reservation      | Cattaraugus | Olean         | 4       | 298  |
| Indian Reservation      | Cattaraugus | Olean         | 5       | 298  |
| Indian Reservation      | Allegany    | Olean         | 11      | 299  |
| E. Inman No. 1          | Erie        | Eden          | 60      | 162  |
| L. Irish No. 1          | Erie        | Springville   | 79      | 142  |
| Isfester & Hunter No. 1 | Erie        | Cattaraugus   | 8       | 220  |
| C. H. Ivison **         | Genesee     | Batavia       | 3       | 37   |
| J. Jackle No. 1         | Chautauqua  | Silver Creek  | 79      | 197  |
| F. Jacobs No. 1         | Chautauqua  | Silver Creek  | 66      | 195  |

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| RECORD                      | COUNTY         | QUADRANGLE        | MAP NO. | PAGE |
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| D. Jacques No. 1.....       | Cattaraugus... | Silver Creek..... | 87      | 199  |
| Jamestown Well **P.....     | Chautauqua..   | Jamestown.....    | 9       | 315  |
| T. Janczewski No. 1.....    | Erie.....      | Eden.....         | 57      | 161  |
| C. Jeffries No. 1.....      | Wyoming....    | Batavia.....      | 55      | 48   |
| A. Jennings No. 1.....      | Erie.....      | Springville.....  | 52      | 136  |
| W. Jennings No. 1.....      | Erie.....      | Springville.....  | 56      | 137  |
| Jewett No. 1.....           | Erie.....      | Arcade.....       | 18      | 119  |
| Johnson Est. No. 1.....     | Allegany....   | Wellsville.....   | 38      | 283  |
| Johnson No. 1.....          | Erie.....      | Eden.....         | 136     | 179  |
| Johnson No. 1.....          | Chautauqua..   | Dunkirk.....      | 59      | 270  |
| A. K. Johnson No. 1.....    | Erie.....      | Cattaraugus.....  | 14      | 221  |
| C. Johnson No. 1.....       | Genesee.....   | Caledonia.....    | 11      | 32   |
| C. Johnson No. 1.....       | Allegany....   | Wellsville.....   | 39      | 283  |
| D. H. Johnson No. 1.....    | Erie.....      | Cattaraugus.....  | 3       | 219  |
| Jolls.....                  | Cattaraugus..  | Cherry Creek....  | 95      | 254  |
| Jones.....                  | Erie.....      | Eden.....         | 119     | 175  |
| E. Jones.....               | Genesee.....   | Attica.....       | 36      | 58   |
| H. Jones.....               | Erie.....      | Springville.....  | 94      | 145  |
| J. Jopek.....               | Chautauqua..   | Cherry Creek....  | 24      | 238  |
| M. June No. 1.....          | Chautauqua..   | Westfield.....    | 8       | 274  |
| G. Kabel et al. No. 1.....  | Erie.....      | Eden.....         | 53      | 160  |
| B. Kazar No. 1.....         | Erie.....      | Springville.....  | 53      | 136  |
| E. Kaczmarck No. 1.....     | Wyoming....    | Attica.....       | 62      | 64   |
| Kamery No. 1.....           | Cattaraugus..  | Olean.....        | 7       | 298  |
| F. Kappus No. 1.....        | Erie.....      | Eden.....         | 40      | 157  |
| Keck No. 3.....             | Monroe.....    | Bergen.....       | 7       | 24   |
| C. Keem No. 1.....          | Wyoming....    | Arcade.....       | 25      | 121  |
| L. Keene No. 1.....         | Erie.....      | Eden.....         | 31      | 155  |
| E. Keery No. 1.....         | Cattaraugus..  | Salamanca.....    | 12      | 306  |
| E. Keery No. 1 *            | Cattaraugus..  | Salamanca.....    | 26      | 309  |
| M. Keller No. 1.....        | Cattaraugus..  | Randolph.....     | 1       | 310  |
| M. Keller No. 1.....        | Erie.....      | Springville.....  | 66      | 139  |
| W. Keller No. 1.....        | Erie.....      | Springville.....  | 64      | 139  |
| Kelsey No. 1.....           | Genesee.....   | Batavia.....      | 9       | 38   |
| C. Kendall No. 1.....       | Genesee.....   | Batavia.....      | 7       | 38   |
| C. Kendall No. 2.....       | Genesee.....   | Batavia.....      | 5       | 37   |
| E. Kendall **.....          | Genesee.....   | Batavia.....      | 4       | 37   |
| Kennalworth Race Track..... | Erie.....      | Buffalo.....      | 2       | 99   |
| Kennedy.....                | Genesee.....   | Attica.....       | 12      | 53   |
| C. B. Kenyon No. 1.....     | Wyoming....    | Attica.....       | 52      | 61   |
| J. Keppel.....              | Cattaraugus..  | Cherry Creek....  | 91      | 253  |
| N. & B. Kessler No. 1.....  | Cattaraugus..  | Ellicottville.... | 4       | 217  |
| Kettle **.....              | Cattaraugus..  | Jamestown.....    | 14      | 316  |
| Kewley Est.....             | Cattaraugus..  | Cattaraugus.....  | 52      | 229  |
| A. Keyes No. 1.....         | Chautauqua..   | Cherry Creek....  | 27      | 239  |
| E. Kiester No. 1.....       | Chautauqua..   | Westfield.....    | 3       | 273  |
| E. Kiester No. 2 *P.....    | Chautauqua..   | Westfield.....    | 2       | 273  |
| R. Kilian No. 1.....        | Wyoming....    | Attica.....       | 64      | 64   |



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| A. King No. 1 *P.....         | Allegany.....    | Wellsville.....    | 12      | 277  |
| L. Kinsella No. 1.....        | Genesee.....     | Attica.....        | 26      | 56   |
| N. Kirsch No. 1.....          | Wyoming.....     | Attica.....        | 76      | 67   |
| L. Klawer.....                | Erie.....        | Attica.....        | 1       | 50   |
| Klimek No. 1.....             | Erie.....        | Eden.....          | 55      | 161  |
| R. Knapp No. 1.....           | Erie.....        | Depew.....         | 2       | 73   |
| E. Knox.....                  | Chautauqua.....  | Silver Creek.....  | 37      | 188  |
| J. Koch No. 1.....            | Erie.....        | Eden.....          | 91      | 169  |
| N. Koch.....                  | Chautauqua.....  | Cherry Creek.....  | 39      | 241  |
| F. Kohn No. 1.....            | Erie.....        | Eden.....          | 99      | 170  |
| H. Kohn No. 1.....            | Erie.....        | Eden.....          | 83      | 167  |
| L. Konert No. 2.....          | Erie.....        | Cattaraugus.....   | 16      | 221  |
| A. & E. Kopp No. 1.....       | Erie.....        | Arcade.....        | 5       | 116  |
| K. Korona No. 1.....          | Erie.....        | Eden.....          | 62      | 162  |
| F. Kreutter No. 1.....        | Wyoming.....     | Attica.....        | 71      | 66   |
| M. Krull No. 1.....           | Erie.....        | Silver Creek.....  | 21      | 185  |
| W. Kruse.....                 | Chautauqua.....  | Silver Creek.....  | 27      | 186  |
| Kuehn.....                    | Chautauqua.....  | Dunkirk.....       | 5       | 258  |
| W. Kuhrt.....                 | Chautauqua.....  | Cherry Creek.....  | 8       | 235  |
| L. Kupp No. 1.....            | Erie.....        | Depew.....         | 89      | 92   |
| J. Lacy.....                  | Wyoming.....     | Batavia.....       | 45      | 46   |
| A. Lamb No. 1.....            | Erie.....        | Eden.....          | 4       | 149  |
| M. Lang No. 1.....            | Erie.....        | Attica.....        | 100     | 72   |
| T. Lank No. 1.....            | Erie.....        | Eden.....          | 5       | 149  |
| N. Lapp No. 1.....            | Wyoming.....     | Attica.....        | 58      | 63   |
| S. Larkin No. 1.....          | Erie.....        | Depew.....         | 70      | 88   |
| E. Laubacker No. 1 *P.....    | Cattaraugus..... | Olean.....         | 14      | 300  |
| E. Laubacker No. 2.....       | Cattaraugus..... | Olean.....         | 22      | 302  |
| E. Laughlin.....              | Erie.....        | Attica.....        | 16      | 53   |
| J. Laverty.....               | Erie.....        | Silver Creek.....  | 7       | 181  |
| D. Law No. 1.....             | Erie.....        | Eden.....          | 135     | 178  |
| A. Layer No. 1.....           | Erie.....        | Depew.....         | 58      | 85   |
| J. Leach.....                 | Cattaraugus..... | Salamanca.....     | 1       | 303  |
| Lehigh Valley R.R. No. 1..... | Erie.....        | Depew.....         | 59      | 85   |
| Lehman No. 1.....             | Erie.....        | Depew.....         | 8       | 74   |
| Leigh Salt Shaft.....         | Genesee.....     | Batavia.....       | 8       | 38   |
| R. Lemke No. 1.....           | Erie.....        | Attica.....        | 43      | 59   |
| L. Lentz.....                 | Erie.....        | Depew.....         | 3       | 73   |
| Leona **P.....                | Chautauqua.....  | Dunkirk.....       | 40      | 266  |
| Leone No. 2.....              | Chautauqua.....  | Dunkirk.....       | 44      | 267  |
| J. Lewis No. 2.....           | Allegany.....    | Wellsville.....    | 55      | 286  |
| C. Libby No. 2.....           | Chautauqua.....  | Cherry Creek.....  | 46      | 243  |
| Liddicoat.....                | Chautauqua.....  | Dunkirk.....       | 64      | 271  |
| Lillay.....                   | Chautauqua.....  | Dunkirk.....       | 13      | 260  |
| F. L. Lilley No. 1.....       | Allegany.....    | Angelica.....      | 23      | 209  |
| Lilly No. 1.....              | Allegany.....    | Angelica.....      | 47      | 214  |
| E. Linsey No. 1.....          | Wyoming.....     | Attica.....        | 48      | 61   |
| C. Little.....                | Cattaraugus..... | Franklinville..... | 3       | 215  |

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| RECORD                        | COUNTY           | QUADRANGLE         | MAP NO. | PAGE |
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| Livermore No. 1.....          | Allegany.....    | Wellsville.....    | 58      | 287  |
| A. Lockwood No. 1.....        | Erie.....        | Buffalo.....       | 19      | 102  |
| H. Lockwood No. 1 **P **..... | Wyoming.....     | Portage.....       | 20      | 115  |
| L. Lockwood No. 3.....        | Cattaraugus..... | Salamanca.....     | 5       | 304  |
| L. Lockwood No. 2.....        | Cattaraugus..... | Salamanca.....     | 6       | 305  |
| L. Lockwood No. 1 *.....      | Cattaraugus..... | Salamanca.....     | 7       | 305  |
| L. Lockwood No. 4.....        | Cattaraugus..... | Salamanca.....     | 8       | 305  |
| Loomis Well.....              | Chautauqua.....  | Clymer.....        | 2       | 319  |
| E. Lorello No. 1.....         | Allegany.....    | Canaseraga.....    | 10      | 203  |
| M. Loring No. 1.....          | Allegany.....    | Wellsville.....    | 36      | 282  |
| C. L. Luce.....               | Chautauqua.....  | Dunkirk.....       | 16      | 261  |
| Lucykiowiak.....              | Chautauqua.....  | Cherry Creek.....  | 54      | 245  |
| P. Ludden No. 2.....          | Allegany.....    | Wellsville.....    | 45      | 284  |
| J. Lutomski No. 1.....        | Erie.....        | Eden.....          | 61      | 162  |
| A. Lynch No. 1.....           | Allegany.....    | Wellsville.....    | 17      | 278  |
| C. L. Lynch.....              | Allegany.....    | Wellsville.....    | 8       | 276  |
| M. Lynch No. 1.....           | Allegany.....    | Wellsville.....    | 14      | 277  |
| M. Lynch No. 1.....           | Allegany.....    | Wellsville.....    | 16      | 278  |
| M. Lynch.....                 | Chautauqua.....  | Dunkirk.....       | 2       | 257  |
| J. Mackey No. 1.....          | Erie.....        | Eden.....          | 67      | 163  |
| Mackmer No. 1.....            | Cattaraugus..... | Cattaraugus.....   | 38      | 226  |
| G. Mackmer No. 1.....         | Erie.....        | Eden.....          | 45      | 158  |
| H. Mackmer No. 1.....         | Erie.....        | Eden.....          | 107     | 172  |
| N. Malay No. 1 **.....        | Erie.....        | Attica.....        | 23      | 55   |
| Mallery & Williams No. 1..... | Cattaraugus..... | Randolph.....      | 13      | 313  |
| Mallory-DeWolfe No. 1.....    | Cattaraugus..... | Salamanca.....     | 17      | 307  |
| Mally No. 1.....              | Erie.....        | Depew.....         | 75      | 89   |
| F. & L. Mann No. 1.....       | Wyoming.....     | Attica.....        | 65      | 64   |
| J. Mann No. 1.....            | Erie.....        | Attica.....        | 42      | 59   |
| S. & J. Manton No. 1.....     | Erie.....        | Attica.....        | 85      | 69   |
| F. Marm No. 1.....            | Erie.....        | Depew.....         | 93      | 93   |
| E. Marsh No. 1 *.....         | Chautauqua.....  | Jamestown.....     | 10      | 315  |
| W. Marsh No. 1 **.....        | Cattaraugus..... | Cherry Creek.....  | 103     | 256  |
| G. Martin No. 1.....          | Erie.....        | Eden.....          | 66      | 163  |
| J. Martin **P.....            | Genesee.....     | Caledonia.....     | 6       | 31   |
| Martina.....                  | Chautauqua.....  | Dunkirk.....       | 55      | 269  |
| Martina No. 2.....            | Chautauqua.....  | Dunkirk.....       | 53      | 269  |
| F. Martzolf.....              | Erie.....        | Depew.....         | 21      | 77   |
| L. Marzolf No. 2.....         | Erie.....        | Arcade.....        | 13      | 118  |
| L. Marzolf No. 1.....         | Erie.....        | Arcade.....        | 14      | 118  |
| G. A. Mattison No. 1.....     | Cattaraugus..... | Ellicottville..... | 6       | 218  |
| J. Mattison.....              | Wyoming.....     | Attica.....        | 81      | 68   |
| M. Matwjkow No. 1.....        | Erie.....        | Eden.....          | 51      | 160  |
| Maxtoxi.....                  | Chautauqua.....  | Dunkirk.....       | 42      | 266  |
| T. Maxwell No. 1.....         | Allegany.....    | Wellsville.....    | 34      | 282  |
| F. Maydole No. 1.....         | Allegany.....    | Angelica.....      | 10      | 206  |
| N. McCall **.....             | Genesee.....     | Caledonia.....     | 5       | 31   |
| F. McCarthy.....              | Chautauqua.....  | Silver Creek.....  | 28      | 186  |

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| J. W. McCollum.....          | Niagara.....  | Lockport.....     | 3       | 26   |
| McCoy No. 1.....             | Chautauqua..  | Jamestown.....    | 12      | 316  |
| C. McCoy No. 1.....          | Chautauqua..  | Silver Creek....  | 78      | 197  |
| T. McElroy No. 1 (*P).....   | Allegany..... | Portage.....      | 18      | 115  |
| McEwen & Norton No. 1.....   | Allegany..... | Wellsville.....   | 1       | 274  |
| C. McGavern No. 1.....       | Cattaraugus.. | Salamanca.....    | 16      | 307  |
| W. McGill No. 1.....         | Erie.....     | Eden.....         | 42      | 158  |
| McLean No. 1.....            | Allegany..... | Wellsville.....   | 62      | 288  |
| McLeron.....                 | Erie.....     | Depew.....        | 31      | 79   |
| A. Meadows No. 1.....        | Chautauqua..  | Dunkirk.....      | 58      | 270  |
| S. Measert No. 2.....        | Erie.....     | Depew.....        | 15      | 75   |
| S. Measert No. 1.....        | Erie.....     | Depew.....        | 16      | 76   |
| A. Medik No. 1.....          | Erie.....     | Eden.....         | 47      | 159  |
| J. Merlan No. 1.....         | Erie.....     | Springville....   | 22      | 129  |
| W. Merrill No. 1.....        | Cattaraugus.. | Silver Creek....  | 86      | 199  |
| R. & C. Metz No. 2.....      | Wyoming.....  | Attica.....       | 87      | 69   |
| R. & C. Metz No. 1.....      | Wyoming.....  | Attica.....       | 92      | 70   |
| H. Metzger No. 1.....        | Erie.....     | Buffalo.....      | 26      | 104  |
| W. & M. Meyer No. 1.....     | Wyoming.....  | Attica.....       | 72      | 66   |
| S. & R. Meyers No. 1.....    | Wyoming.....  | Attica.....       | 86      | 69   |
| J. Miklinski.....            | Genesee.....  | Attica.....       | 6       | 51   |
| E. Milka No. 1.....          | Erie.....     | Eden.....         | 29      | 155  |
| A. Miller No. 1.....         | Erie.....     | Eden.....         | 37      | 156  |
| C. Miller No. 1.....         | Cattaraugus.. | Ellicottville.... | 5       | 217  |
| F. Miller No. 1.....         | Chautauqua..  | Cherry Creek....  | 10      | 235  |
| H. Miller No. 1 **.....      | Allegany..... | Wellsville.....   | 59      | 287  |
| R. F. & B. B. Miller.....    | Genesee.....  | Attica.....       | 31      | 57   |
| W. Miller No. 1.....         | Erie.....     | Buffalo.....      | 42      | 107  |
| W. Millerville No. 1.....    | Erie.....     | Springville....   | 58      | 137  |
| W. M. Millerville No. 1..... | Erie.....     | Springville....   | 61      | 138  |
| P. Minehan.....              | Chautauqua..  | Silver Creek....  | 36      | 188  |
| Miner.....                   | Chautauqua..  | Dunkirk.....      | 14      | 260  |
| Miner No. 2.....             | Chautauqua..  | Dunkirk.....      | 18      | 261  |
| L. Miner No. 2.....          | Chautauqua..  | Cherry Creek....  | 6       | 234  |
| H. Minnick No. 1.....        | Erie.....     | Eden.....         | 54      | 160  |
| G. Mix No. 1.....            | Genesee.....  | Batavia.....      | 28      | 42   |
| J. Moag No. 1.....           | Wyoming.....  | Caledonia.....    | 24      | 35   |
| S. Mollian No. 1.....        | Erie.....     | Springville....   | 106     | 148  |
| D. Monaghan No. 1.....       | Allegany..... | Canaseraga.....   | 3       | 200  |
| J. Monroe No. 1 *P.....      | Cattaraugus.. | Randolph.....     | 8       | 312  |
| P. Mooney No. 3.....         | Wyoming.....  | Batavia.....      | 46      | 46   |
| Moore No. 1.....             | Erie.....     | Arcade.....       | 11      | 117  |
| R. Moore No. 1 **.....       | Allegany..... | Belmont.....      | 25      | 295  |
| Moran No. 1.....             | Cattaraugus.. | Cattaraugus....   | 54      | 230  |
| E. More.....                 | Erie.....     | Depew.....        | 81      | 90   |
| F. Morris No. 1.....         | Erie.....     | Depew.....        | 87      | 91   |
| C. Morrison No. 1.....       | Chautauqua..  | Cherry Creek....  | 14      | 236  |
| F. Morrison No. 1.....       | Chautauqua..  | Dunkirk.....      | 30      | 264  |
| F. Morse No. 1.....          | Chautauqua..  | Silver Creek....  | 35      | 188  |

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| K. Morse No. 3 *P **.....            | Chautauqua..  | Chautauqua.....  | 6       | 318  |
| Kyle Morse No. 1 *P.....             | Chautauqua..  | Chautauqua.....  | 10      | 319  |
| Moss No. 1.....                      | Erie.....     | Cattaraugus..... | 6       | 219  |
| Moulton Well.....                    | Wyoming.....  | Batavia.....     | 59      | 49   |
| C. Moynihan No. 1 **.....            | Allegany..... | Wellsville.....  | 29      | 281  |
| D. Mulvey No. 1.....                 | Allegany..... | Wellsville.....  | 23      | 279  |
| J. Murphy No. 1.....                 | Wyoming.....  | Caledonia.....   | 22      | 35   |
| M. Murphy.....                       | Chautauqua..  | Westfield.....   | 6       | 274  |
| R. Murphy No. 1.....                 | Erie.....     | Buffalo.....     | 47      | 109  |
| Murray Est. No. 1.....               | Allegany..... | Angelica.....    | 31      | 211  |
| E. Murray No. 1.....                 | Allegany..... | Angelica.....    | 28      | 210  |
| E. & M. Musty No. 1.....             | Wyoming.....  | Arcade.....      | 23      | 120  |
| J. Nagel.....                        | Erie.....     | Depew.....       | 76      | 89   |
| J. Nagel No. 1.....                  | Erie.....     | Depew.....       | 71      | 88   |
| E. Nagle No. 1.....                  | Erie.....     | Eden.....        | 36      | 156  |
| H. Nautrieb.....                     | Genesee.....  | Attica.....      | 10      | 52   |
| A. Neckers *.....                    | Chautauqua..  | Clymer.....      | 3       | 319  |
| F. Nenno No. 2.....                  | Cattaraugus.. | Cherry Creek.... | 94      | 254  |
| Nevinger.....                        | Livingston... | Portage.....     | 17      | 114  |
| Newton Memorial Hospital.....        | Chautauqua..  | Dunkirk.....     | 39      | 266  |
| Newton Memorial Hospital (*P)....    | Chautauqua..  | Dunkirk.....     | 49      | 268  |
| C. M. Newton No. 1.....              | Erie.....     | Eden.....        | 28      | 155  |
| E. Newton.....                       | Chautauqua..  | Silver Creek.... | 50      | 191  |
| J. C. Newton No. 1.....              | Genesee.....  | Batavia.....     | 62      | 50   |
| L. Newton.....                       | Erie.....     | Depew.....       | 64      | 86   |
| L. Newton No. 1.....                 | Allegany..... | Belmont.....     | 20      | 294  |
| M. Newton.....                       | Chautauqua..  | Silver Creek.... | 54      | 192  |
| N. Y. S. Conserv. Dept. No. 1 *P.... | Cattaraugus.. | Salamanca.....   | 23      | 308  |
| L. Nice No. 1.....                   | Erie.....     | Springville..... | 73      | 141  |
| A. Niefergold No. 1.....             | Erie.....     | Eden.....        | 85      | 167  |
| A. & J. Niefergold No. 1.....        | Erie.....     | Eden.....        | 93      | 169  |
| E. Niefergold No. 1.....             | Erie.....     | Eden.....        | 84      | 167  |
| J. M. Niehaus No. 2.....             | Chautauqua..  | Dunkirk.....     | 6       | 258  |
| Nixon.....                           | Chautauqua..  | Westfield.....   | 7       | 274  |
| N. L. & O. Power Co. No. 1.....      | Erie.....     | Cattaraugus..... | 24      | 223  |
| N. L. & O. Power Co. No. 1.....      | Erie.....     | Cattaraugus..... | 31      | 225  |
| Nobel.....                           | Erie.....     | Depew.....       | 62      | 86   |
| North Buffalo Gas Co.....            | Erie.....     | Tonawanda.....   | 3       | 27   |
| M. B. North No. 1.....               | Wyoming.....  | Attica.....      | 68      | 65   |
| E. Nuernberger.....                  | Wyoming.....  | Attica.....      | 74      | 66   |
| Nunda Well.....                      | Livingston... | Nunda.....       | 2       | 111  |
| J. Nye No. 1.....                    | Allegany..... | Wellsville.....  | 54      | 286  |
| F. O'Brien No. 1.....                | Allegany..... | Belmont.....     | 28      | 296  |
| P. O'Donnell No. 1.....              | Allegany..... | Wellsville.....  | 32      | 281  |
| C. Oldham No. 1 *.....               | Cattaraugus.. | Cherry Creek.... | 74      | 249  |
| Olean Municipal Airport No. 1 *..... | Cattaraugus.. | Olean.....       | 21      | 301  |



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| D. E. Osgood No. 1.....    | Cattaraugus... | Olean.....        | 20      | 301  |
| J. Ostrander No. 1.....    | Erie.....      | Eden.....         | 12      | 151  |
| W. Ostrander No. 2.....    | Erie.....      | Springville.....  | 23      | 129  |
| W. Ostrander No. 1.....    | Erie.....      | Springville.....  | 25      | 130  |
| R. Overture No. 1.....     | Chautauqua...  | Jamestown.....    | 4       | 314  |
| R. Overture No. 2 **P..... | Chautauqua...  | Jamestown.....    | 6       | 315  |
| Pagano No. 1.....          | Chautauqua...  | Silver Creek..... | 34      | 187  |
| C. F. Page.....            | Genesee.....   | Batavia.....      | 11      | 39   |
| C. Palmer No. 1.....       | Wyoming.....   | Attica.....       | 88      | 69   |
| N. Palmer No. 1.....       | Cattaraugus... | Cattaraugus.....  | 53      | 230  |
| Parker.....                | Erie.....      | Springville.....  | 87      | 144  |
| C. Parker No. 1.....       | Erie.....      | Attica.....       | 84      | 69   |
| E. Parker.....             | Cattaraugus... | Silver Creek..... | 85      | 199  |
| H. Parker No. 2.....       | Cattaraugus... | Cattaraugus.....  | 34      | 225  |
| M. Parker No. 1.....       | Erie.....      | Arcade.....       | 15      | 118  |
| M. Parker No. 1.....       | Cattaraugus... | Cherry Creek....  | 76      | 250  |
| M. Parkinson No. 1.....    | Erie.....      | Cattaraugus.....  | 25      | 223  |
| G. Parsons No. 1.....      | Cattaraugus... | Silver Creek..... | 91      | 200  |
| Partridge No. 2.....       | Genesee.....   | Batavia.....      | 18      | 40   |
| J. Patten No. 1.....       | Allegany.....  | Wellsville.....   | 19      | 278  |
| Patterson.....             | Erie.....      | Silver Creek..... | 25      | 185  |
| A. Pawelczyk No. 1.....    | Erie.....      | Depew.....        | 28      | 78   |
| A. Payne et al.....        | Chautauqua...  | Silver Creek..... | 30      | 187  |
| Pearson.....               | Genesee.....   | Batavia.....      | 27      | 42   |
| L. Pearson.....            | Genesee.....   | Batavia.....      | 15      | 39   |
| R. Peck.....               | Genesee.....   | Batavia.....      | 14      | 39   |
| Pecor No. 1 **.....        | Chautauqua...  | Dunkirk.....      | 36      | 265  |
| H. & M. Peirick No. 1..... | Wyoming.....   | Attica.....       | 54      | 62   |
| D. Penfold No. 1.....      | Erie.....      | Depew.....        | 111     | 97   |
| H. Perkins.....            | Chautauqua...  | Cherry Creek....  | 62      | 247  |
| E. Perry No. 1.....        | Erie.....      | Eden.....         | 138     | 179  |
| F. Pestle.....             | Genesee.....   | Batavia.....      | 22      | 41   |
| J. Peters No. 1.....       | Erie.....      | Springville.....  | 95      | 145  |
| Pettingill No. 1 *P.....   | Cattaraugus... | Olean.....        | 17      | 301  |
| G. Pfluger No. 1.....      | Chautauqua...  | Silver Creek..... | 77      | 197  |
| L. G. Phelps No. 1.....    | Genesee.....   | Batavia.....      | 39      | 45   |
| Phillips No. 1 **P.....    | Chautauqua...  | Cherry Creek....  | 68      | 248  |
| B. Phillips No. 1.....     | Erie.....      | Springville.....  | 81      | 142  |
| J. Phillips.....           | Genesee.....   | Batavia.....      | 32      | 43   |
| W. Phillips No. 1.....     | Erie.....      | Cattaraugus.....  | 21      | 223  |
| R. Phipps.....             | Allegany.....  | Angelica.....     | 17      | 207  |
| Phoenix Salt Well.....     | Livingston...  | Caledonia.....    | 21      | 35   |
| Pierce.....                | Erie.....      | Silver Creek..... | 22      | 185  |
| B. Pierce **P.....         | Erie.....      | Silver Creek..... | 23      | 185  |
| H. Pierce No. 1.....       | Erie.....      | Buffalo.....      | 45      | 108  |
| Piglowski.....             | Chautauqua...  | Dunkirk.....      | 27      | 263  |
| E. Pinski No. 1.....       | Erie.....      | Springville.....  | 88      | 144  |

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| Pioneer Well No. 1.....         | Wyoming.....     | Batavia.....      | 51      | 47   |
| J. Plummer No. 2 **.....        | Allegany.....    | Belmont.....      | 3       | 290  |
| J. Plummer No. 1 **.....        | Allegany.....    | Belmont.....      | 4       | 290  |
| F. Poeller No. 1.....           | Erie.....        | Springville.....  | 12      | 127  |
| M. Popek No. 1.....             | Erie.....        | Springville.....  | 80      | 142  |
| Post.....                       | Chautauqua.....  | Dunkirk.....      | 33      | 264  |
| E. Potter No. 1.....            | Erie.....        | Cattaraugus.....  | 23      | 223  |
| F. C. Potter No. 1.....         | Chautauqua.....  | Chautauqua.....   | 7       | 318  |
| G. Potter No. 1.....            | Erie.....        | Buffalo.....      | 43      | 108  |
| O. A. Potter No. 1.....         | Allegany.....    | Wellsville.....   | 66      | 289  |
| O. Potter No. 2.....            | Allegany.....    | Wellsville.....   | 57      | 287  |
| B. Press No. 1.....             | Cattaraugus..... | Cattaraugus.....  | 41      | 227  |
| M. Press No. 1.....             | Cattaraugus..... | Silver Creek..... | 89      | 200  |
| Privitera No. 2.....            | Chautauqua.....  | Dunkirk.....      | 48      | 268  |
| L. Prjanowski.....              | Erie.....        | Springville.....  | 71      | 140  |
| A. Purdy No. 1.....             | Genesee.....     | Caledonia.....    | 2       | 30   |
| G. A. Quick.....                | Erie.....        | Depew.....        | 47      | 83   |
| Quinlan Oil Co. No. 1.....      | Cattaraugus..... | Olean.....        | 8       | 299  |
| Raiber No. 2.....               | Erie.....        | Springville.....  | 33      | 132  |
| R. Raiber No. 2.....            | Erie.....        | Springville.....  | 35      | 132  |
| R. Raiber No. 4.....            | Erie.....        | Springville.....  | 36      | 132  |
| R. Raiber No. 3.....            | Erie.....        | Springville.....  | 37      | 133  |
| R. Raiber No. 1.....            | Erie.....        | Springville.....  | 38      | 133  |
| N. Ramen No. 1.....             | Erie.....        | Springville.....  | 5       | 125  |
| C. Randall No. 1 (*) **.....    | Chautauqua.....  | Chautauqua.....   | 4       | 317  |
| Randolph No. 1.....             | Wyoming.....     | Portage.....      | 11      | 113  |
| A. Randolph No. 1 (*).....      | Allegany.....    | Wellsville.....   | 5       | 275  |
| W. Ransom No. 1.....            | Chautauqua.....  | Cherry Creek..... | 22      | 238  |
| W. Ratzel No. 3.....            | Cattaraugus..... | Cattaraugus.....  | 35      | 226  |
| W. Ratzel No. 1.....            | Cattaraugus..... | Cherry Creek..... | 82      | 251  |
| Reber No. 1.....                | Monroe.....      | Bergen.....       | 5       | 23   |
| Reber No. 2.....                | Monroe.....      | Bergen.....       | 8       | 24   |
| Red School House Lot No. 1..... | Cattaraugus..... | Salamanca.....    | 4       | 304  |
| D. Reed No. 1 *.....            | Allegany.....    | Belmont.....      | 22      | 294  |
| O. R. Reed No. 1.....           | Chautauqua.....  | Clymer.....       | 1       | 319  |
| R. Reed No. 1.....              | Erie.....        | Buffalo.....      | 18      | 102  |
| C. Regan No. 2.....             | Allegany.....    | Wellsville.....   | 31      | 281  |
| J. Reifler No. 1.....           | Erie.....        | Eden.....         | 41      | 157  |
| J. Reith No. 1.....             | Erie.....        | Eden.....         | 3       | 149  |
| J. Remington No. 1.....         | Chautauqua.....  | Cherry Creek..... | 44      | 243  |
| C. Rennels No. 1.....           | Allegany.....    | Wellsville.....   | 7       | 276  |
| B. Reynolds No. 1.....          | Erie.....        | Depew.....        | 73      | 88   |
| Richardson.....                 | Erie.....        | Eden.....         | 133     | 178  |
| C. Richey No. 1.....            | Cattaraugus..... | Cattaraugus.....  | 66      | 233  |
| C. Richey No. 1.....            | Erie.....        | Springville.....  | 74      | 141  |
| H. Richter No. 1 **P.....       | Chautauqua.....  | Dunkirk.....      | 21      | 262  |
| O. Rickter No. 1.....           | Erie.....        | Depew.....        | 44      | 82   |
| M. Ridout No. 1.....            | Cattaraugus..... | Cherry Creek..... | 101     | 255  |

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| Riehler No. 1.....             | Erie.....        | Eden.....         | 27      | 154  |
| C. Rigby No. 1.....            | Allegany.....    | Wellsville.....   | 63      | 288  |
| Riley Bros. ** *P.....         | Allegany.....    | Wellsville.....   | 46      | 284  |
| J. Ringelberg No. 1.....       | Allegany.....    | Angelica.....     | 26      | 209  |
| Roberts.....                   | Chautauqua.....  | Dunkirk.....      | 65      | 271  |
| C. Rogers.....                 | Genesee.....     | Batavia.....      | 31      | 43   |
| E. Rogers.....                 | Erie.....        | Eden.....         | 124     | 176  |
| Ross.....                      | Cattaraugus..... | Cattaraugus.....  | 51      | 229  |
| H. Roth No. 1.....             | Erie.....        | Springville.....  | 21      | 129  |
| J. Roth No. 2.....             | Erie.....        | Buffalo.....      | 25      | 104  |
| W. P. Roth No. 1.....          | Erie.....        | Buffalo.....      | 22      | 103  |
| R. Rowland.....                | Genesee.....     | Attica.....       | 14      | 53   |
| Royce No. 1.....               | Allegany.....    | Angelica.....     | 33      | 211  |
| G. & E. Rudolph No. 1.....     | Wyoming.....     | Attica.....       | 47      | 60   |
| W. Rutkowski.....              | Chautauqua.....  | Dunkirk.....      | 41      | 266  |
| J. Ryan No. 1.....             | Allegany.....    | Wellsville.....   | 33      | 281  |
| Ryder-Scott Oil Co. No. 1..... | Cattaraugus..... | Salamanca.....    | 21      | 308  |
| M. Sackett No. 1.....          | Chautauqua.....  | Silver Creek..... | 49      | 191  |
| Salhoff No. 1.....             | Chautauqua.....  | Dunkirk.....      | 46      | 267  |
| Salt Vale No. 1.....           | Wyoming.....     | Batavia.....      | 54      | 48   |
| Salt Well.....                 | Livingston.....  | Caledonia.....    | 12      | 33   |
| Salt Well.....                 | Genesee.....     | Batavia.....      | 26      | 42   |
| Salt Well.....                 | Wyoming.....     | Batavia.....      | 61      | 50   |
| Salt Well.....                 | Wyoming.....     | Portage.....      | 1       | 111  |
| Salt Well.....                 | Wyoming.....     | Portage.....      | 2       | 111  |
| Salt Well.....                 | Wyoming.....     | Portage.....      | 4       | 111  |
| Salt Well No. 8.....           | Wyoming.....     | Portage.....      | 7       | 112  |
| Salt Well No. 3.....           | Wyoming.....     | Portage.....      | 8       | 112  |
| Salt Well No. 5.....           | Wyoming.....     | Portage.....      | 9       | 113  |
| Salt Well.....                 | Wyoming.....     | Portage.....      | 10      | 113  |
| Salt Well No. 12.....          | Wyoming.....     | Portage.....      | 12      | 113  |
| Salt Well No. 11.....          | Wyoming.....     | Portage.....      | 13      | 113  |
| Salt Well.....                 | Wyoming.....     | Portage.....      | 14      | 114  |
| S. Salvo No. 1.....            | Erie.....        | Eden.....         | 34      | 156  |
| Sandy.....                     | Erie.....        | Eden.....         | 118     | 175  |
| J. Sax No. 1.....              | Erie.....        | Depew.....        | 72      | 88   |
| P. Schafer **P.....            | Genesee.....     | Attica.....       | 7       | 51   |
| P. Schaffer No. 1.....         | Erie.....        | Springville.....  | 15      | 128  |
| W. C. Schaffer No. 1.....      | Erie.....        | Buffalo.....      | 28      | 104  |
| P. Scheetz No. 1.....          | Erie.....        | Eden.....         | 79      | 166  |
| J. Scheffer No. 1.....         | Erie.....        | Eden.....         | 1       | 149  |
| D. Schilling No. 4.....        | Erie.....        | Attica.....       | 44      | 60   |
| F. Schilling No. 1.....        | Erie.....        | Depew.....        | 48      | 83   |
| C. Schlepp.....                | Chautauqua.....  | Cherry Creek..... | 20      | 237  |
| F. Schlitz No. 2.....          | Wyoming.....     | Attica.....       | 51      | 61   |
| G. Schmidt No. 1.....          | Erie.....        | Eden.....         | 8       | 150  |
| J. Schmidt No. 1.....          | Erie.....        | Eden.....         | 63      | 162  |
| N. Schmidt No. 1.....          | Erie.....        | Eden.....         | 10      | 151  |

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| W. Schmidt No. 1.....                             | Erie.....        | Springville.....  | 48      | 135  |
| Schmitz.....                                      | Erie.....        | Eden.....         | 87      | 168  |
| A. Schmitz No. 1.....                             | Erie.....        | Eden.....         | 90      | 168  |
| A. Schmitz No. 2.....                             | Erie.....        | Eden.....         | 95      | 169  |
| A. Schmitz No. 1.....                             | Erie.....        | Eden.....         | 109     | 172  |
| J. Schmitz No. 1.....                             | Erie.....        | Eden.....         | 89      | 168  |
| M. Schmitz No. 1.....                             | Erie.....        | Eden.....         | 132     | 177  |
| P. Schneider No. 1.....                           | Wyoming.....     | Attica.....       | 60      | 63   |
| F. Schofner.....                                  | Chautauqua.....  | Silver Creek..... | 40      | 189  |
| C. Schrader No. 2.....                            | Erie.....        | Silver Creek..... | 15      | 183  |
| H. & N. Schuele No. 1.....                        | Erie.....        | Cattaraugus.....  | 2       | 218  |
| C. H. & M. T. Schulz.....                         | Genesee.....     | Batavia.....      | 2       | 37   |
| F. Schye No. 1.....                               | Erie.....        | Depew.....        | 57      | 85   |
| Scott.....  | Allegany.....    | Canaseraga.....   | 13      | 203  |
| Scott No. 1.....                                  | Allegany.....    | Belmont.....      | 5       | 291  |
| L. V. Scott No. 2.....                            | Erie.....        | Buffalo.....      | 9       | 100  |
| W. Scott.....                                     | Chautauqua.....  | Dunkirk.....      | 17      | 261  |
| J. Scoville No. 1.....                            | Erie.....        | Eden.....         | 7       | 150  |
| H. Searer No. 1.....                              | Allegany.....    | Wellsville.....   | 35      | 282  |
| Oscar See No. 1.....                              | Cattaraugus..... | Randolph.....     | 3       | 311  |
| Seneca.....                                       | Erie.....        | Silver Creek..... | 26      | 186  |
| Seneca Nation of Indians No. 1 <sup>1</sup> ..... | Cattaraugus..... | Salamanca.....    | 13      | 306  |
| Seneca Nation of Indians No. 1.....               | Cattaraugus..... | Salamanca.....    | 14      | 306  |
| Seneca Nation of Indians No. 2.....               | Cattaraugus..... | Salamanca.....    | 25      | 309  |
| Seneca Nation of Indians No. 3.....               | Cattaraugus..... | Salamanca.....    | 30      | 310  |
| Seneca Nation of Indians No. 1.....               | Cattaraugus..... | Randolph.....     | 9       | 312  |
| Seneca Nation of Indians No. 2.....               | Cattaraugus..... | Randolph.....     | 14      | 313  |
| Serial No. 807.....                               | Erie.....        | Silver Creek..... | 92      | 200  |
| Seybold No. 1.....                                | Chautauqua.....  | Dunkirk.....      | 4       | 258  |
| Shadle No. 1.....                                 | Chautauqua.....  | Cherry Creek..... | 108     | 257  |
| Shaft No. 1.....                                  | Livingston.....  | Caledonia.....    | 15      | 33   |
| Shaft No. 1.....                                  | Livingston.....  | Caledonia.....    | 16      | 33   |
| B. Shark & J. Krom No. 1.....                     | Wyoming.....     | Attica.....       | 93      | 71   |
| J. W. Sharp No. 1 *P.....                         | Cattaraugus..... | Randolph.....     | 10      | 312  |
| H. Shaw No. 1.....                                | Erie.....        | Cattaraugus.....  | 18      | 222  |
| K. Shaw No. 1.....                                | Cattaraugus..... | Silver Creek..... | 90      | 200  |
| W. Shaw.....                                      | Erie.....        | Silver Creek..... | 9       | 182  |
| S. Shearer No. 1.....                             | Erie.....        | Cattaraugus.....  | 22      | 223  |
| A. Sheldon No. 1 **.....                          | Allegany.....    | Angelica.....     | 22      | 209  |
| Shepard No. 2.....                                | Genesee.....     | Caledonia.....    | 8       | 32   |
| S. Shepard No. 1.....                             | Genesee.....     | Caledonia.....    | 7       | 31   |
| Sheppard No. 4.....                               | Genesee.....     | Batavia.....      | 35      | 44   |
| E. Sheppard No. 3.....                            | Genesee.....     | Batavia.....      | 38      | 45   |
| E. Shultz No. 1.....                              | Cattaraugus..... | Silver Creek..... | 82      | 198  |
| Siegel No. 1.....                                 | Allegany.....    | Angelica.....     | 48      | 214  |
| L. Silleman No. 1.....                            | Erie.....        | Eden.....         | 86      | 167  |
| H. & L. Simons No. 1.....                         | Erie.....        | Arcade.....       | 3       | 116  |
| V. Sitarek No. 1.....                             | Erie.....        | Springville.....  | 59      | 137  |

<sup>1</sup> Seneca Nation of Indians No. 1 \*P \*\*



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| Merle Slack *              | Allegany    | Wellsville    | 67      | 289  |
| J. W. Slaight No. 1        | Allegany    | Angelica      | 18      | 208  |
| A. Slefkin No. 1           | Chautauqua  | Dunkirk       | 62      | 271  |
| E. Sloan No. 1             | Erie        | Buffalo       | 44      | 108  |
| W. Sloduchowski No. 1      | Chautauqua  | Dunkirk       | 56      | 269  |
| W. Smead No. 1             | Genesee     | Batavia       | 29      | 43   |
| W. Smead No. 2             | Genesee     | Batavia       | 30      | 43   |
| Smith-Tucker No. 1         | Cattaraugus | Olean         | 1       | 297  |
| A. Smith                   | Chautauqua  | Dunkirk       | 8       | 259  |
| A. Smith No. 1             | Erie        | Attica        | 83      | 68   |
| C. Smith No. 1 *P          | Cattaraugus | Olean         | 18      | 301  |
| E. Smith No. 1             | Erie        | Springville   | 2       | 125  |
| F. Smith No. 1             | Chautauqua  | Cherry Creek  | 55      | 245  |
| F. Smith                   | Chautauqua  | Cherry Creek  | 16      | 236  |
| G. Smith                   | Chautauqua  | Silver Creek  | 64      | 194  |
| G. N. Smith                | Chautauqua  | Silver Creek  | 39      | 189  |
| J. Smith No. 1             | Cattaraugus | Cattaraugus   | 40      | 227  |
| J. Smith No. 1 *           | Allegany    | Olean         | 27      | 303  |
| J. S. Smith                | Allegany    | Angelica      | 8       | 205  |
| N. Smith                   | Wyoming     | Portage       | 5       | 112  |
| N. Smith No. 2             | Erie        | Eden          | 102     | 171  |
| S. B. Smith No. 1          | Chautauqua  | Silver Creek  | 58      | 193  |
| W. Smith No. 1             | Erie        | Springville   | 11      | 127  |
| W. Smith No. 1             | Erie        | Springville   | 34      | 132  |
| G. Smyth No. 1             | Erie        | Eden          | 43      | 158  |
| H. Snyder No. 1            | Erie        | Springville   | 98      | 146  |
| W. Snyder No. 1            | Allegany    | Canaseraga    | 6       | 202  |
| Sobezak No. 1              | Chautauqua  | Cherry Creek  | 52      | 244  |
| A. Soul No. 1              | Erie        | Springville   | 108     | 148  |
| D. Souzzi No. 1            | Erie        | Depew         | 105     | 95   |
| B. Spaeth No. 1            | Erie        | Eden          | 69      | 164  |
| C. Sparer No. 1            | Erie        | Depew         | 96      | 93   |
| R. Spaulding No. 1         | Erie        | Springville   | 99      | 146  |
| O. Spencer                 | Erie        | Depew         | 51      | 83   |
| B. Spoons No. 1            | Erie        | Eden          | 64      | 163  |
| C. Springer No. 2          | Cattaraugus | Cattaraugus   | 48      | 229  |
| Springville Well           | Erie        | Ellicottville | 1       | 217  |
| Stamp No. 1                | Wyoming     | Portage       | 6       | 112  |
| State of New York No. 2 ** | Allegany    | Angelica      | 35      | 211  |
| State of New York No. 1 ** | Allegany    | Angelica      | 36      | 212  |
| C. Steadman No. 1          | Allegany    | Angelica      | 12      | 206  |
| Stearns No. 1              | Cattaraugus | Cherry Creek  | 80      | 251  |
| Stearns No. 1              | Erie        | Eden          | 108     | 172  |
| G. Stearns No. 2           | Erie        | Eden          | 16      | 152  |
| M. J. Stearns No. 1        | Wyoming     | Arcade        | 36      | 123  |
| W. Stebbins                | Chautauqua  | Silver Creek  | 43      | 189  |
| L. Steffenhagen No. 1      | Cattaraugus | Franklinville | 2       | 215  |
| Steiger No. 1 *P           | Cattaraugus | Olean         | 25      | 302  |
| Stelmack No. 1             | Chautauqua  | Dunkirk       | 52      | 269  |

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| K. Stephens No. 1.....      | Erie.....        | Springville.....  | 39      | 133  |
| R. Stephan No. 1.....       | Erie.....        | Depew.....        | 41      | 81   |
| Sterling Shaft (*P).....    | Livingston.....  | Caledonia.....    | 19      | 34   |
| E. Stetson.....             | Chautauqua.....  | North East.....   | 1       | 319  |
| Hon. F. C. Stevens **P..... | Wyoming.....     | Attica.....       | 79      | 67   |
| R. Stiefler No. 1.....      | Erie.....        | Buffalo.....      | 52      | 110  |
| M. Stilson.....             | Chautauqua.....  | Cherry Creek..... | 1       | 233  |
| A. Stone No. 1.....         | Chautauqua.....  | Silver Creek..... | 44      | 190  |
| E. Stone No. 1.....         | Chautauqua.....  | Cherry Creek..... | 29      | 239  |
| N. Stoner.....              | Erie.....        | Silver Creek..... | 10      | 182  |
| C. Stooker.....             | Chautauqua.....  | Silver Creek..... | 69      | 195  |
| C. Stoker.....              | Chautauqua.....  | Silver Creek..... | 76      | 197  |
| Dan Streeter No. 1.....     | Erie.....        | Tonawanda.....    | 18      | 30   |
| Strickland No. 2 **P.....   | Cattaraugus..... | Cattaraugus.....  | 61      | 231  |
| F. E. Strorus No. 1.....    | Wyoming.....     | Attica.....       | 46      | 60   |
| L. Strzelczyk No. 1.....    | Wyoming.....     | Attica.....       | 53      | 62   |
| Stuart No. 1.....           | Genesee.....     | Caledonia.....    | 10      | 32   |
| Stuler.....                 | Erie.....        | Depew.....        | 6       | 73   |
| D. Stutzman No. 1.....      | Erie.....        | Depew.....        | 18      | 76   |
| Styles.....                 | Genesee.....     | Attica.....       | 24      | 55   |
| C. Sutter No. 1.....        | Cattaraugus..... | Cherry Creek..... | 96      | 254  |
| Swanson.....                | Chautauqua.....  | Dunkirk.....      | 68      | 272  |
| Swavinski No. 2.....        | Chautauqua.....  | Dunkirk.....      | 12      | 260  |
| M. Sweeney No. 2.....       | Allegany.....    | Wellsville.....   | 44      | 284  |
| F. Swiatek.....             | Cattaraugus..... | Cattaraugus.....  | 42      | 227  |
| F. Swift.....               | Chautauqua.....  | Silver Creek..... | 52      | 191  |
| O. Swift.....               | Chautauqua.....  | Silver Creek..... | 32      | 187  |
| T. Szczuqie No. 1.....      | Erie.....        | Springville.....  | 67      | 139  |
| Szumigala No. 4.....        | Chautauqua.....  | Cherry Creek..... | 19      | 237  |
| C. Tanner No. 1.....        | Erie.....        | Eden.....         | 70      | 164  |
| J. Tarbox.....              | Chautauqua.....  | Dunkirk.....      | 20      | 261  |
| Tawner No. 1.....           | Chautauqua.....  | Cherry Creek..... | 67      | 248  |
| C. Taylor.....              | Wyoming.....     | Batavia.....      | 60      | 49   |
| F. Taylor No. 1.....        | Erie.....        | Eden.....         | 103     | 171  |
| F. Telack No. 1.....        | Erie.....        | Eden.....         | 52      | 160  |
| F. Terwilligar No. 1.....   | Allegany.....    | Canaseraga.....   | 4       | 201  |
| Thayer No. 1 **P *P.....    | Allegany.....    | Angelica.....     | 9       | 206  |
| F. Thiel No. 1.....         | Erie.....        | Eden.....         | 56      | 161  |
| K. Thiel No. 1.....         | Erie.....        | Eden.....         | 59      | 161  |
| Thies No. 2.....            | Chautauqua.....  | Dunkirk.....      | 54      | 269  |
| E. Thies No. 2.....         | Chautauqua.....  | Cherry Creek..... | 49      | 244  |
| R. Thomas No. 1.....        | Allegany.....    | Angelica.....     | 3       | 104  |
| A. F. Thorpe No. 1.....     | Erie.....        | Attica.....       | 82      | 68   |
| Thrall No. 1 *P.....        | Cattaraugus..... | Olean.....        | 19      | 301  |
| Thurston No. 1.....         | Allegany.....    | Belmont.....      | 6       | 291  |
| C. Tillotson No. 1.....     | Genesee.....     | Batavia.....      | 24      | 41   |
| H. Tilly No. 3.....         | Chautauqua.....  | Cherry Creek..... | 50      | 244  |
| I. Tkaczyk No. 1.....       | Erie.....        | Eden.....         | 33      | 156  |

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| W. Tomlinson No. 1.....          | Erie.....        | Depew.....        | 92      | 93   |
| M. Tooke.....                    | Chautauqua.....  | Cherry Creek....  | 12      | 235  |
| Torrey No. 1.....                | Allegany.....    | Olean.....        | 13      | 300  |
| Torrey No. 2.....                | Allegany.....    | Olean.....        | 16      | 300  |
| W. Torrey No. 1.....             | Cattaraugus..... | Olean.....        | 28      | 303  |
| B. Towne No. 1.....              | Chautauqua.....  | Cherry Creek....  | 28      | 239  |
| Truby No. 1.....                 | Allegany.....    | Belmont.....      | 10      | 292  |
| Tryczenski.....                  | Chautauqua.....  | Cherry Creek....  | 13      | 236  |
| Tucker No. 1.....                | Allegany.....    | Wellsville.....   | 2       | 275  |
| Wm. Tucker.....                  | Allegany.....    | Canaseraga.....   | 14      | 203  |
| E. Twinning No. 1.....           | Erie.....        | Eden.....         | 98      | 170  |
| F. Uebelhoer.....                | Erie.....        | Depew.....        | 60      | 85   |
| J. Underhill No. 1.....          | Erie.....        | Springville.....  | 13      | 127  |
| N. Ungerman No. 1 *.....         | Allegany.....    | Belmont.....      | 2       | 290  |
| Union Garage No. 1.....          | Erie.....        | Buffalo.....      | 17      | 102  |
| Utter No. 1.....                 | Cattaraugus..... | Olean.....        | 29      | 303  |
| F. Vail No. 1.....               | Cattaraugus..... | Cattaraugus.....  | 36      | 226  |
| Van Buren.....                   | Genesee.....     | Caledonia.....    | 9       | 32   |
| R. Van Vlack No. 1.....          | Cattaraugus..... | Silver Creek..... | 84      | 199  |
| J. B. Veach et al. No. 1 *P..... | Cattaraugus..... | Randolph.....     | 15      | 313  |
| Vellone **P.....                 | Chautauqua.....  | Dunkirk.....      | 51      | 268  |
| C. & P. Victor No. 1.....        | Wyoming.....     | Arcade.....       | 20      | 119  |
| L. & M. Victor No. 1.....        | Wyoming.....     | Attica.....       | 89      | 70   |
| L. & M. Victor No. 1.....        | Wyoming.....     | Attica.....       | 94      | 71   |
| P. Villa.....                    | Erie.....        | Silver Creek..... | 13      | 183  |
| S. P. Vincent.....               | Allegany.....    | Angelica.....     | 15      | 207  |
| "Vinton".....                    | Cattaraugus..... | Cattaraugus.....  | 50      | 229  |
| J. Vogel No. 1.....              | Erie.....        | Buffalo.....      | 20      | 103  |
| Dr. Vogelgassag No. 1.....       | Erie.....        | Springville.....  | 69      | 140  |
| F. Vosburg No. 1.....            | Erie.....        | Springville.....  | 101     | 147  |
| C. Vossler No. 1.....            | Allegany.....    | Belmont.....      | 33      | 297  |
| K. Vossler No. 1.....            | Allegany.....    | Belmont.....      | 32      | 297  |
| Wade et al. No. 1.....           | Chautauqua.....  | Silver Creek..... | 51      | 191  |
| A. P. Wagner No. 1.....          | Erie.....        | Arcade.....       | 16      | 119  |
| D. Wagner No. 1.....             | Erie.....        | Eden.....         | 81      | 166  |
| E. Wagner.....                   | Erie.....        | Depew.....        | 66      | 87   |
| E. Wahle No. 1.....              | Erie.....        | Depew.....        | 39      | 81   |
| Waldo.....                       | Erie.....        | Attica.....       | 17      | 54   |
| Waldo.....                       | Erie.....        | Depew.....        | 55      | 84   |
| A. Walker No. 1.....             | Cattaraugus..... | Salamanca.....    | 27      | 309  |
| F. Walkowski.....                | Chautauqua.....  | Cherry Creek....  | 23      | 238  |
| D. Waller et al. No. 2.....      | Erie.....        | Buffalo.....      | 32      | 105  |
| M. Walters No. 1.....            | Erie.....        | Silver Creek..... | 18      | 184  |
| Wannamaker.....                  | Erie.....        | Depew.....        | 34      | 80   |
| Wannamaker No. 1.....            | Erie.....        | Springville.....  | 82      | 143  |
| R. Ward No. 1.....               | Cattaraugus..... | Silver Creek..... | 88      | 199  |

TABLE I (Cont.)

| RECORD                         | COUNTY         | QUADRANGLE        | MAP NO. | PAGE |
|--------------------------------|----------------|-------------------|---------|------|
| W. M. Ward No. 1.....          | Cattaraugus... | Silver Creek..... | 83      | 198  |
| C. Warner No. 1.....           | Erie.....      | Depew.....        | 40      | 81   |
| I. Warren No. 1.....           | Chautauqua...  | Dunkirk.....      | 63      | 271  |
| N. Waterman.....               | Erie.....      | Silver Creek..... | 8       | 182  |
| T. Waterman.....               | Chautauqua...  | Cherry Creek..... | 35      | 241  |
| W. Watson No. 1.....           | Allegany.....  | Belmont.....      | 8       | 291  |
| R. Waxham No. 2.....           | Chautauqua...  | Cherry Creek..... | 41      | 242  |
| Weber.....                     | Genesee.....   | Attica.....       | 35      | 58   |
| J. Weber No. 1.....            | Erie.....      | Eden.....         | 101     | 171  |
| A. Webor.....                  | Erie.....      | Springville.....  | 26      | 130  |
| Webster.....                   | Wyoming...     | Batavia.....      | 50      | 47   |
| C. Webster.....                | Erie.....      | Depew.....        | 115     | 98   |
| D. Webster No. 1.....          | Erie.....      | Springville.....  | 57      | 137  |
| A. Weeks No. 1.....            | Erie.....      | Springville.....  | 8       | 126  |
| H. Weiler **P.....             | Genesee.....   | Attica.....       | 8       | 52   |
| J. F. Weinheimer No. 2.....    | Erie.....      | Tonawanda.....    | 17      | 30   |
| Weiss No. 1 (*) **.....        | Chautauqua...  | Jamestown.....    | 11      | 316  |
| Welch Grape Juice Co.....      | Chautauqua...  | Westfield.....    | 5       | 273  |
| Well No. 1.....                | Livingston...  | Caledonia.....    | 17      | 34   |
| Well No. 1.....                | Livingston...  | Caledonia.....    | 14      | 33   |
| Well No. 3.....                | Erie.....      | Tonawanda.....    | 12      | 29   |
| Well No. 8.....                | Erie.....      | Tonawanda.....    | 10      | 28   |
| Well No. 10.....               | Erie.....      | Tonawanda.....    | 15      | 29   |
| Well No. 11.....               | Erie.....      | Tonawanda.....    | 8       | 28   |
| Well No. 24.....               | Erie.....      | Tonawanda.....    | 6       | 27   |
| Well No. 25.....               | Erie.....      | Tonawanda.....    | 14      | 29   |
| Well No. 26.....               | Erie.....      | Tonawanda.....    | 7       | 27   |
| Well No. 27.....               | Erie.....      | Tonawanda.....    | 13      | 29   |
| Well No. 796 (see Serial)..... | Erie.....      | Eden.....         | 112     | 173  |
| Well No. 1745.....             | Erie.....      | Springville.....  | 103     | 147  |
| Well in So. Park.....          | Erie.....      | Buffalo.....      | 15      | 101  |
| C. Wenburnis No. 1 **.....     | Chautauqua...  | Dunkirk.....      | 31      | 264  |
| Wendex No. 2.....              | Erie.....      | Depew.....        | 7       | 74   |
| F. Werle.....                  | Chautauqua...  | Dunkirk.....      | 9       | 259  |
| West.....                      | Chautauqua...  | Dunkirk.....      | 61      | 271  |
| Wheeler No. 1.....             | Genesee.....   | Batavia.....      | 36      | 44   |
| B. Whipple.....                | Chautauqua...  | Cherry Creek..... | 26      | 239  |
| G. Whipple No. 1.....          | Erie.....      | Springville.....  | 24      | 130  |
| G. Whipple No. 2.....          | Erie.....      | Springville.....  | 27      | 130  |
| A. White No. 2.....            | Erie.....      | Cattaraugus.....  | 27      | 224  |
| A. White No. 4.....            | Erie.....      | Cattaraugus.....  | 28      | 224  |
| C. White No. 1.....            | Erie.....      | Cattaraugus.....  | 17      | 222  |
| R. Whiteman No. 1.....         | Allegany.....  | Wellsville.....   | 10      | 276  |
| G. Whitman.....                | Genesee.....   | Attica.....       | 34      | 57   |
| E. Whitney No. 1.....          | Livingston...  | Caledonia.....    | 28      | 36   |
| H. Whitney No. 1.....          | Cattaraugus... | Salamanca.....    | 28      | 309  |
| H. E. Wieser No. 1.....        | Erie.....      | Springville.....  | 97      | 146  |
| Wightman No. 1 **.....         | Allegany.....  | Belmont.....      | 21      | 294  |
| Wilder No. 1 **P.....          | Cattaraugus... | Cattaraugus.....  | 57      | 231  |



TABLE I (Cont.)

| RECORD                            | COUNTY         | QUADRANGLE         | MAP NO. | PAGE |
|-----------------------------------|----------------|--------------------|---------|------|
| L. C. Wilkie **P.....             | Wyoming.....   | Attica.....        | 78      | 67   |
| P. Willett No. 1.....             | Erie.....      | Eden.....          | 123     | 176  |
| S. Willett No. 1.....             | Erie.....      | Eden.....          | 134     | 178  |
| S. Willett No. 1.....             | Erie.....      | Depew.....         | 95      | 93   |
| E. Williams No. 1.....            | Erie.....      | Eden.....          | 18      | 152  |
| S. Williams.....                  | Chautauqua...  | Cherry Creek...    | 11      | 235  |
| S. Williams No. 1.....            | Chautauqua...  | Silver Creek.....  | 46      | 190  |
| T. Williams.....                  | Chautauqua...  | Dunkirk.....       | 7       | 259  |
| T. Williams No. 1.....            | Allegany.....  | Franklinville...   | 5       | 216  |
| W. Williamson No. 1.....          | Erie.....      | Springville.....   | 1       | 125  |
| H. Willis.....                    | Erie.....      | Depew.....         | 36      | 81   |
| W. Willis.....                    | Erie.....      | Depew.....         | 42      | 80   |
| G. Willkens No. 1.....            | Erie.....      | Depew.....         | 1       | 72   |
| C. Wilson.....                    | Genesee.....   | Batavia.....       | 6       | 37   |
| C. Wilson No. 1.....              | Allegany.....  | Wellsville.....    | 40      | 283  |
| D. C. Wilson No. 1.....           | Allegany.....  | Olean.....         | 12      | 299  |
| E. Wilson No. 1.....              | Erie.....      | Eden.....          | 38      | 157  |
| F. Wilson No. 1.....              | Allegany.....  | Wellsville.....    | 42      | 283  |
| F. Wilson No. 2.....              | Allegany.....  | Wellsville.....    | 43      | 284  |
| K. R. Wilson No. 1 *              | Wyoming.....   | Arcade.....        | 42      | 124  |
| N. Wilson No. 1 **.....           | Chautauqua...  | Cherry Creek...    | 31      | 240  |
| N. Wilson No. 1.....              | Erie.....      | Springville.....   | 50      | 135  |
| J. Wiltse.....                    | Chautauqua...  | Jamestown.....     | 13      | 316  |
| S. & L. Wiltse No. 1.....         | Erie.....      | Depew.....         | 20      | 77   |
| Winch & Faihist No. 1.....        | Erie.....      | Springville.....   | 41      | 133  |
| D. Winter.....                    | Erie.....      | Depew.....         | 67      | 87   |
| H. Wiser & W. Willette No. 1..... | Erie.....      | Depew.....         | 19      | 76   |
| Wixon No. 1.....                  | Cattaraugus... | Salamanca.....     | 11      | 306  |
| H. & C. Wohlhueter No. 1.....     | Erie.....      | Springville.....   | 44      | 134  |
| R. Wohlhueter No. 1.....          | Erie.....      | Springville.....   | 75      | 141  |
| S. Wojciachowski.....             | Genesee.....   | Attica.....        | 13      | 53   |
| F. Wolfe No. 1.....               | Erie.....      | Buffalo.....       | 35      | 106  |
| J. & G. Wolfe No. 1.....          | Wyoming.....   | Attica.....        | 90      | 70   |
| Wood No. 1.....                   | Chautauqua...  | Cherry Creek...    | 65      | 247  |
| J. Woodard No. 1.....             | Cattaraugus... | Ellicottville..... | 7       | 218  |
| J. Woodard No. 1.....             | Chautauqua...  | Cherry Creek...    | 15      | 236  |
| F. Woodruff Estate No. 1.....     | Allegany.....  | Angelica.....      | 16      | 207  |
| I. Woods.....                     | Chautauqua...  | Dunkirk.....       | 25      | 263  |
| Woolston No. 1.....               | Monroe.....    | Bergen.....        | 3       | 23   |
| A. Wright No. 1.....              | Chautauqua...  | Cherry Creek...    | 61      | 246  |
| C. Wyckoff No. 1.....             | Chautauqua...  | Silver Creek.....  | 62      | 194  |
| S. Wyckoff No. 1.....             | Chautauqua...  | Silver Creek.....  | 38      | 188  |
|                                   |                |                    |         |      |
| H. Yates No. 5.....               | Erie.....      | Buffalo.....       | 49      | 109  |
| H. & M. Yates No. 6.....          | Erie.....      | Buffalo.....       | 85      | 91   |
| F. & H. Yocum.....                | Erie.....      | Depew.....         | 10      | 74   |
| L. Yocum No. 1.....               | Erie.....      | Springville.....   | 29      | 131  |
| J. Yonkers No. 2.....             | Chautauqua...  | Dunkirk.....       | 24      | 262  |
| R. Youmans No. 1 *                | Allegany.....  | Belmont.....       | 7       | 291  |

TABLE I (Cont.)

| RECORD                     | COUNTY          | QUADRANGLE     | MAP NO. | PAGE |
|----------------------------|-----------------|----------------|---------|------|
| Young No. 1.....           | Erie.....       | Attica.....    | 21      | 55   |
| D. C. Young.....           | Genesee.....    | Attica.....    | 38      | 58   |
| M. & L. Young No. 1.....   | Erie.....       | Depew.....     | 22      | 77   |
| O. Younker No. 2.....      | Wyoming.....    | Attica.....    | 97      | 71   |
| J. Zaumetzer No. 1.....    | Erie.....       | Eden.....      | 88      | 168  |
| H. & E. Zehler No. 1.....  | Wyoming.....    | Attica.....    | 95      | 71   |
| E. Ziegler No. 1.....      | Erie.....       | Depew.....     | 43      | 82   |
| J. Ziegler No. 1.....      | Wyoming.....    | Attica.....    | 77      | 67   |
| C. Zurbrick No. 1.....     | Erie.....       | Depew.....     | 23      | 77   |
| Well name unknown **P..... | Orleans.....    | Kendall.....   | 1       | 22   |
| Well name unknown.....     | Monroe.....     | Bergen.....    | 9       | 24   |
| Well name unknown.....     | Orleans.....    | Medina.....    | 1       | 25   |
| Well name unknown.....     | Erie.....       | Lockport.....  | 2       | 26   |
| Well name unknown.....     | Erie.....       | Tonawanda..... | 2       | 26   |
| Well name unknown.....     | Erie.....       | Tonawanda..... | 16      | 29   |
| Well name unknown.....     | Genesee.....    | Batavia.....   | 1       | 36   |
| Well name unknown.....     | Wyoming.....    | Attica.....    | 55      | 62   |
| Well name unknown.....     | Wyoming.....    | Attica.....    | 56      | 62   |
| Well name unknown.....     | Wyoming.....    | Attica.....    | 66      | 65   |
| Well name unknown.....     | Wyoming.....    | Attica.....    | 67      | 65   |
| Well name unknown.....     | Wyoming.....    | Attica.....    | 69      | 65   |
| Well name unknown.....     | Wyoming.....    | Attica.....    | 70      | 65   |
| Well name unknown.....     | Wyoming.....    | Attica.....    | 75      | 67   |
| Well name unknown.....     | Erie.....       | Depew.....     | 37      | 80   |
| Well name unknown.....     | Erie.....       | Depew.....     | 79      | 90   |
| Well name unknown.....     | Erie.....       | Depew.....     | 82      | 90   |
| Well name unknown.....     | Erie.....       | Depew.....     | 83      | 91   |
| Well name unknown.....     | Erie.....       | Depew.....     | 84      | 91   |
| Well name unknown.....     | Erie.....       | Depew.....     | 88      | 92   |
| Well name unknown.....     | Erie.....       | Depew.....     | 90      | 92   |
| Well name unknown.....     | Erie.....       | Buffalo.....   | 1       | 98   |
| Well name unknown.....     | Erie.....       | Buffalo.....   | 3       | 99   |
| Well name unknown.....     | Erie.....       | Buffalo.....   | 11      | 101  |
| Well name unknown.....     | Erie.....       | Buffalo.....   | 51      | 109  |
| Well name unknown.....     | Erie.....       | Buffalo.....   | 54      | 110  |
| Well name unknown.....     | Livingston..... | Nunda.....     | 1       | 110  |
| Well name unknown.....     | Wyoming.....    | Portage.....   | 16      | 114  |
| Well name unknown.....     | Wyoming.....    | Arcade.....    | 26      | 121  |
| Well name unknown.....     | Wyoming.....    | Arcade.....    | 27      | 121  |
| Well name unknown.....     | Wyoming.....    | Arcade.....    | 28      | 121  |
| Well name unknown.....     | Wyoming.....    | Arcade.....    | 29      | 121  |
| Well name unknown **P..... | Wyoming.....    | Arcade.....    | 30      | 122  |
| Well name unknown.....     | Wyoming.....    | Arcade.....    | 31      | 122  |
| Well name unknown.....     | Wyoming.....    | Arcade.....    | 32      | 122  |
| Well name unknown.....     | Wyoming.....    | Arcade.....    | 33      | 122  |
| Well name unknown.....     | Wyoming.....    | Arcade.....    | 34      | 123  |
| Well name unknown.....     | Wyoming.....    | Arcade.....    | 35      | 123  |

TABLE I (Cont.)

| RECORD                 | COUNTY      | QUADRANGLE       | MAP NO. | PAGE |
|------------------------|-------------|------------------|---------|------|
| Well name unknown..... | Wyoming     | Arcade.....      | 37      | 123  |
| Well name unknown..... | Erie        | Springville..... | 62      | 138  |
| Well name unknown..... | Erie        | Springville..... | 63      | 138  |
| Well name unknown..... | Erie        | Springville..... | 77      | 141  |
| Well name unknown..... | Erie        | Springville..... | 84      | 143  |
| Well name unknown..... | Erie        | Springville..... | 86      | 143  |
| Well name unknown..... | Erie        | Springville..... | 93      | 145  |
| Well name unknown..... | Erie        | Springville..... | 96      | 146  |
| Well name unknown..... | Erie        | Springville..... | 100     | 147  |
| Well name unknown..... | Erie        | Springville..... | 104     | 147  |
| Well name unknown..... | Erie        | Eden.....        | 46      | 159  |
| Well name unknown..... | Erie        | Eden.....        | 48      | 159  |
| Well name unknown..... | Erie        | Eden.....        | 58      | 161  |
| Well name unknown..... | Erie        | Eden.....        | 73      | 165  |
| Well name unknown..... | Erie        | Eden.....        | 78      | 166  |
| Well name unknown..... | Erie        | Eden.....        | 94      | 169  |
| Well name unknown..... | Erie        | Eden.....        | 104     | 171  |
| Well name unknown..... | Erie        | Eden.....        | 110     | 173  |
| Well name unknown..... | Erie        | Eden.....        | 113     | 173  |
| Well name unknown..... | Erie        | Eden.....        | 114     | 174  |
| Well name unknown..... | Erie        | Eden.....        | 115     | 174  |
| Well name unknown..... | Erie        | Eden.....        | 116     | 174  |
| Well name unknown..... | Erie        | Eden.....        | 120     | 175  |
| Well name unknown..... | Erie        | Eden.....        | 125     | 176  |
| Well name unknown..... | Erie        | Eden.....        | 140     | 179  |
| Well name unknown..... | Allegany    | Canaseraga.....  | 12      | 203  |
| Well name unknown..... | Allegany    | Angelica.....    | 1       | 204  |
| Well name unknown..... | Allegany    | Angelica.....    | 2       | 204  |
| Well name unknown..... | Erie        | Cattaraugus..... | 1       | 218  |
| Well name unknown..... | Erie        | Cattaraugus..... | 4       | 219  |
| Well name unknown..... | Erie        | Cattaraugus..... | 11      | 220  |
| Well name unknown..... | Erie        | Cattaraugus..... | 13      | 221  |
| Well name unknown..... | Erie        | Cattaraugus..... | 15      | 221  |
| Well name unknown..... | Cattaraugus | Cattaraugus..... | 33      | 225  |
| Well name unknown..... | Cattaraugus | Cattaraugus..... | 43      | 227  |
| Well name unknown..... | Cattaraugus | Cattaraugus..... | 56      | 230  |
| Well name unknown..... | Cattaraugus | Cattaraugus..... | 58      | 231  |
| Well name unknown..... | Cattaraugus | Cattaraugus..... | 62      | 232  |
| Well name unknown..... | Cattaraugus | Cattaraugus..... | 63      | 232  |
| Well name unknown..... | Cattaraugus | Cattaraugus..... | 64      | 232  |
| Well name unknown..... | Cattaraugus | Cattaraugus..... | 65      | 232  |
| Well name unknown..... | Chautauqua  | Cherry Creek.... | 69      | 248  |
| Well name unknown..... | Chautauqua  | Cherry Creek.... | 72      | 249  |
| Well name unknown..... | Chautauqua  | Dunkirk.....     | 1       | 257  |





## PENNSYLVANIA WELL RECORDS<sup>1</sup>

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<sup>1</sup>Information on the Pennsylvania wells was obtained from the following reports:  
Fettke, C. R., 1950~~z~~ and 1956.

## PENNSYLVANIA

TABLE I

| COUNTY         |                                | ERIE   | ERIE                        | ERIE                        | ERIE                       |
|----------------|--------------------------------|--|-----------------------------|-----------------------------|----------------------------|
| QUADRANGLE     |                                | North East   | North East                  | North East                  | North East                 |
| MAP NUMBER     |                                | 2  | 3                           | 4                           | 5                          |
| NAME OF WELL   |                                | Heard<br>No. 1   | J. Sheridan<br>No. 1        | Silliman<br>No. 1           | Moorhead<br>No. 1          |
| OPERATOR       |                                | North East<br>Light & Heat   | North East<br>Light & Heat  | North East<br>Light & Heat  | North East<br>Light & Heat |
| TOWNSHIP       |                                | North East   | North East                  | North East                  | Harbor Creek               |
| LATITUDE       |                                | 8,340' South<br>of 42° 15'   | 12,990' South<br>of 42° 15' | 12,300' South<br>of 42° 15' | 7,340' North<br>of 42° 10' |
| LONGITUDE      |                                | 1,795' West<br>of 79° 50'  | 4,860' West<br>of 79° 50'   | 1,900' East<br>of 79° 50'   | 3,485' East<br>of 79° 55'  |
| DATE COMPLETED |                                | 1914   |                             |                             |                            |
| ELEVATION      |                                | 650'   | 745' Topo.                  | 810' Topo.                  |                            |
| TULLY          |                                | 1,060' ± —   |                             |                             |                            |
| ONONDAGA       |                                | 1,290' —   |                             |                             |                            |
| ORISKANY       |                                |  |                             |                             |                            |
| SALT ZONE      |                                |  |                             |                             |                            |
| LOCKPORT       |                                |  |                             |                             |                            |
| MEDINAN        | RED<br>MEDINA<br>(GRIMSBY)     | 2,336'—2,452'  |                             |                             |                            |
|                | WHITE<br>MEDINA<br>(WHIRLPOOL) | 2,482'—2,500'  |                             |                             |                            |
| QUEENSTON      |                                | 2,500' —   |                             |                             |                            |
| OSWEGO         |                                |  |                             |                             |                            |
| TRENTON        |                                |  |                             |                             |                            |
| POTSDAM        |                                |  |                             |                             |                            |
| PRECAMBRIAN    |                                |  |                             |                             |                            |
| TOTAL DEPTH    |                                | 2,800'   |                             |                             |                            |
| DEEPEST FM.    |                                | Queenston  | Medina                      | Medina                      | Medina                     |
| REMARKS        |                                | Oriskany sand-<br>stone absent.<br>S. W. at 1,556'.<br>Gas at<br>2,489'—2,500'.<br>I. O. F. 10<br>Mcf. | Show gas in<br>Medina.      | Dry in<br>Medina.           | Show gas in<br>Medina.     |

| ERIE  | ERIE   | ERIE  | ERIE                                     | ERIE   |
|---|--|---|--|--|
| North East  | North East   | North East  | North East                               | North East   |
| 6   | 7  | 8   | 9  | 10   |
| C. R. Thornton<br>No. 1   | L. Jones<br>No. 1  | D. Lewis<br>No. 1   | E. W. Downing<br>No. 1                   | A. A. Holm<br>No. 1  |
| Appalachian<br>Dev.   | Appalachian<br>Dev.  | S. J. Brendel,<br>et al.  | Appalachian<br>Dev.                      | Appalachian<br>Dev.  |
| Harbor Creek  | Greenfield   | Greenfield  | Greene                                   | Greene   |
| 14,680' North<br>of 42° 05'   | 12,250' North<br>of 42° 05'                                    | 8,760' North<br>of 42° 05'  | 5,810' South<br>of 42° 05'               | 12,300' South<br>of 42° 05'  |
| 1,795' West<br>of 79° 55'   | 2,060' East<br>of 79° 50'                                      | 3,695' West<br>of 79° 45'   | 790' East<br>of 80° 00'                  | 6,970' West<br>of 79° 55'  |
| 1945  | 1947   | 1932  | 1947                                     | 1946   |
| 1,070'  | 1,409'   | 1,386'  | 1,406'                                   | 1,316'   |
| 1,687'—   | 2,113'—  | 2,163'—   | 2,070'—                                  | 2,050'—  |
| 1,938'—2,185'   | 2,349'—2,590'  | 2,400'—2,628'   | 2,301'—2,566'                            | 2,290'—2,563'  |
|   | 2,590'—2,597'  | N. P.   | 2,566'—2,573'                            | 2,563'—2,582'  |
|   |  |   |  |  |
|   |  |   |  |  |
|   |  | 3,482'—3,543'   |  |  |
|   |  |   |  |  |
|   |  | 3,645'—3,658'   |  |  |
|   |  | 3,658'—   |  |  |
|   |  |   |  |  |
|   |  |   |  |  |
|   |  |   |  |  |
|   |  |   |  |  |
| 2,228'  | 2,622'   | 3,671'  | 2,587'                                   | 2,582'   |
| Oriskany  | Oriskany   | Queenston   | Oriskany                                 | Oriskany   |
| Oriskany sand-<br>stone absent.<br>Show gas at<br>228', 547',<br>868' & 894'.<br>S. W. at<br>2,191'—2,203'. | Cherty lime-<br>stone at<br>2,597'—2,622'.<br>S. W. at 2,622'. | Oriskany sand-<br>stone absent.<br>S. W. at 2,630'.<br>Black salt<br>water at<br>3,260'. Thorold<br>at 3,476'—<br>3,482'. Dry in<br>Medina. | Show of oil<br>at 2,372' in<br>Onondaga. | Show of gas<br>at 700' &<br>800'. S. W. at<br>2,571' in<br>Oriskany. |

## PENNSYLVANIA

TABLE I (Cont.)

| COUNTY         |                                | ERIE                                    | ERIE                        | ERIE   | ERIE   |
|----------------|--------------------------------|---|-----------------------------|--|--|
| QUADRANGLE     |                                | North East                              | North East                  | North East   | North East   |
| MAP NUMBER     |                                | 11                                      | 12                          | 13   | 14   |
| NAME OF WELL   |                                | C. Bertgess                             | Evans<br>No. 1              | J. Thompson<br>No. 1   | Truesdail<br>No. 1   |
| OPERATOR       |                                | R. M. Weaver &<br>W. R. Harger          | Olson, et al.               | G. E. Olsen,<br>et al.                                       | G. Schrack   |
| TOWNSHIP       |                                | Venango                                 | Venango                     | Venango  | Venango  |
| LATITUDE       |                                | 11,510' North<br>of 42° 00'             | 14,415' North<br>of 42° 00' | 14,785' North<br>of 42° 00'                                  | 4,750' North<br>of 42° 00'                                     |
| LONGITUDE      |                                | 2,535' West<br>of 79° 50'               | 8,555' East<br>of 79° 55'   | 7,550' East<br>of 79° 55'                                    | 7,655' West<br>of 79° 50'                                      |
| DATE COMPLETED |                                | 1949                                    | 1956                        | 1956   | 1956   |
| ELEVATION      |                                | 1,338'                                  | 1,503'                      | 1,491'   | 1,510'   |
| TULLY          |                                | 2,225' —                                | 2,292' —                    | 2,267' —   | 2,390'—2,438'  |
| ONONDAGA       |                                | 2,445' —                                | 2,524' —                    | 2,494' —   | 2,629'—2,875'  |
| ORISKANY       |                                |   | 2,762'—2,767'               | 2,738'—2,744'  | N. P.  |
| SALT ZONE      |                                |   |                             |  | 3,301' —   |
| LOCKPORT       |                                |   |                             |  |  |
| MEDINAN        | RED<br>MEDINA<br>(GRIMSBY)     |   |                             |  |  |
|                | WHITE<br>MEDINA<br>(WHIRLPOOL) |   |                             |  |  |
| QUEENSTON      |                                |   |                             |  |  |
| OSWEGO         |                                |   |                             |  |  |
| TRENTON        |                                |   |                             |  |  |
| POTSDAM        |                                |   |                             |  |  |
| PRECAMBRIAN    |                                |   |                             |  |  |
| TOTAL DEPTH    |                                | 2,730'                                  | 2,796'                      | 2,768'   | 3,560'   |
| DEEPEST FM.    |                                | Oriskany                                | Oriskany                    | Oriskany   | Salina   |
| REMARKS        |                                | Oriskany sand-<br>stone absent.<br>Dry. | Dry.                        | I. O. F. 399<br>Mcf. in<br>Oriskany.<br>I. R. P. 745<br>Lbs. | Oriskany sand-<br>stone absent.<br>S. W. at 3,310'.<br>P. & A. |



| ERIE                                       | ERIE  | ERIE                                   | ERIE  | ERIE                       |
|--|---|--|---|----------------------------|
| North East                                 | North East  | North East                             | North East  | North East                 |
| 15   | 16  | 17                                     | 18  | 19                         |
| C. Winkleman<br>No. 1                      | Applebee<br>No. 1   | L. Thompson<br>No. 1                   | Penn State Lands<br>No. 1 (Block 2)   | Mattier Bros.<br>No. 1     |
| E. W. Ewing                                | Keta Gas &<br>Oil Co.   | Flanigan,<br>et al.                    | N. Y. State<br>Nat. Gas Co.   | North East<br>Light & Heat |
| Greene                                     | Venango   | Venango                                | Lake Erie   | North East                 |
| 14,450' North<br>of 42° 00'                | 12,145' South<br>of 42° 05'   | 13,620' North<br>of 42° 00'            | 10,925' North<br>of 42° 15'   | 1,795' North<br>of 42° 15' |
| 8,400' West<br>of 79° 55'                  | 7,500' East<br>of 79° 55'   | 6,070' East<br>of 79° 55'              | 17,850' West<br>of 79° 50'  | 9,295' East<br>of 79° 50'  |
| 2/17/56                                    | 3/19/57   | 4/18/57                                | 10/6/59   |                            |
| 1,298'                                     | 1,448'  | 1,420'                                 | 604' D. F.  | 605' Topo.                 |
| 2,061'-2,153'                              | 2,225'-2,230'   | 2,203'-2,306'                          | 832' —  |                            |
| 2,284' —                                   | 2,467' —  | 2,430' —                               | 1,050'-1,312'   |                            |
| 2,533' —                                   | Horiz. 2,717'-2,720'  | 2,685'-2,691'                          | 1,312'-1,325'   |                            |
|  |   |  |   |                            |
|  |   |  | 1,745' —  |                            |
|  |   |  |   |                            |
|  |   |  | 2,085'-2,188'   |                            |
|  |   |  |   |                            |
|  |   |  | 2,225'-2,238'   |                            |
|  |   |  | 2,238' —  |                            |
|  |   |  |   |                            |
|  |   |  | 3,950' —  |                            |
|  |   |  |   |                            |
|  |   |  |   |                            |
| 2,537'                                     | 2,753'  | 2,740'                                 | 4,741'  |                            |
| Oriskany                                   | Helderberg  | Helderberg                             | Gatesburg   | Medina                     |
| S. W. at 2,533'<br>in Oriskany.<br>D. & A. | Helderberg<br>2,720'-2,741'.<br>Dolomite at<br>2,741'-2,748'.<br>300 Mcf. gas<br>a/f at 2,748'.<br>I. R. P. 560<br>Lbs. | Show of oil<br>and gas a/f.<br>P. & A. | Top of Reeds-<br>ville 3,202' —<br>Show of gas<br>at 843',<br>2,188', 4,119'<br>and 4,241'.<br>S. W. at 1,330'<br>and 1,909'. | Show of gas<br>in Medina.  |

## PENNSYLVANIA

TABLE I (Cont.)

| COUNTY         |                          | ERIE   | ERIE  | ERIE  | ERIE  |
|----------------|--------------------------|--|---|---|---|
| QUADRANGLE     |                          | Erie   | Erie  | Erie  | Erie  |
| MAP NUMBER     |                          | 1  | 2   | 3   | 4   |
| NAME OF WELL   |                          | Presque Isle No. 1   | Erie Deep Test  | Frank Buczkowski No. 1  | C. W. Held No. 1  |
| OPERATOR       |                          | Comr. of Water City of Erie  | Presque Isle Gas  | Sylvania  | Appalachian Dev.  |
| TOWNSHIP       |                          | Mill Creek   | Mill Creek  | Summit  | Summit  |
| LATITUDE       |                          | 370' South of 42° 10'  | 11,195' South of 42° 10'  | 7,970' South of 42° 05'   | 7,390' South of 42° 05'   |
| LONGITUDE      |                          | 8,490' West of 80° 05'   | 1,320' East of 80° 05'  | 2,790' East of 80° 05'  | 6,850' West of 80° 00'  |
| DATE COMPLETED |                          | 9/9/10   | 1889  | 4/21/47   | 12/21/46  |
| ELEVATION      |                          | 581'   | 600'  | 1,122'  | 1,149'  |
| TULLY          |                          | 1,038'—  | 1,110'—   | 1,768'—   | 1,797'—   |
| ONONDAGA       |                          | 1,265'—1,480'  | 1,325'—1,600'   | 2,000'—2,252'   | 2,039'—2,280'   |
| ORISKANY       |                          |  |   | 2,252'—2,257'   | 2,280'—2,300'   |
| SALT ZONE      |                          |  |   |   |   |
| LOCKPORT       |                          |  |   |   |   |
| MEDINAN        | RED MEDINA (GRIMSBY)     | 2,360'—2,388'  | 2,388'—2,455'   |   |   |
|                | WHITE MEDINA (WHIRLPOOL) | 2,398'—2,493'  | 2,455'—2,520'   |   |   |
| QUEENSTON      |                          | 2,493'—  | 2,600'—3,385'   |   |   |
| OSWEGO         |                          |  |   |   |   |
| TRENTON        |                          |  | 4,250'—   |   |   |
| POTSDAM        |                          |  |   |   |   |
| PRECAMBRIAN    |                          |  |   |   |   |
| TOTAL DEPTH    |                          | 3,572'   | 4,460'  | 2,325'  | 2,302'  |
| DEEPEST FM.    |                          | Queenston  | Trenton   | Salina  | Oriskany  |
| REMARKS        |                          | Oriskany sandstone absent. Thorold 2,320'—2,360'. Show of gas 1,265'—1,307' & 2,343'. S. W. at 1,530'. P. & A. | Oriskany sandstone absent. S. W. at 1,620'. Smoke and black water at 2,210'. Show of gas in White Medina. P. & A. | Show of gas at 2,254', 2,313' & 2,319'. Salt water at 2,254'—2,257' & 2,325'. P. & A. | Sandy limestone at 2,300'—2,302'. Show of gas at 300' and 440'. Salt water at 2,295'. D. & A. |

| ERIE  | ERIE   | ERIE   | ERIE                            | ERIE   |
|---|--|--|---------------------------------|--|
| Erie  | Erie   | Erie   | Erie                            | Erie   |
| 5   | 6  | 7  | 8                               | 9  |
| G. S. Gaber<br>No. 1  | C. Fuhrman<br>No. 1  | M. K. Meade<br>No. 1                                     | F. Karrell<br>No. 1             | P. M. Osborn<br>No. 1  |
| Appalachian<br>Dev.   | Appalachian<br>Dev.  | Appalachian<br>Dev.                                      | Art Will,<br>et al.             | Stevens &<br>Skrobat   |
| Summit  | Summit   | Summit   | McKean                          | Summit   |
| 10,220' South<br>of 42° 05'   | 9,450' South<br>of 42° 05'   | 11,160' South<br>of 42° 05'                              | 13,730' North<br>of 42° 00'     | 13,960' South<br>of 42° 05'                                    |
| 9,800' West<br>of 80° 00'   | 5,450' West<br>of 80° 00'  | 6,720' West<br>of 80° 00'                                | 5,545' East<br>of 80° 10'       | 10,295' West<br>of 80° 00'                                     |
| 3/29/47   | 3/29/48  | 8/23/46  | 10/26/56                        | 10/28/54   |
| 1,250'  | 1,194'   | 1,155'   | 1,033'                          | 1,328'   |
| 1,908' —  | 1,861' —   | 1,812' —   |                                 | 1,975' —   |
| 2,142'—2,396'   | 2,089'—2,325'  | 2,023'—2,281'  |                                 | 2,198' —   |
|   | 2,325'—2,339'<br>2,378'—2,400'   | 2,281' —   | 2,168' —                        | 2,448' —   |
|   | 2,790'—2,806'  |  |                                 |  |
|   |  |  |                                 |  |
|   | 3,280'—3,337'  |  |                                 |  |
|   |  |  |                                 |  |
|   | 3,399' —   |  |                                 |  |
|   |  |  |                                 |  |
|   |  |  |                                 |  |
|   |  |  |                                 |  |
|   |  |  |                                 |  |
| 2,399'  | 3,485'   | 2,291'   | 2,175'                          | 2,455'   |
| Oriskany  | Queenston  | Oriskany   | Oriskany                        | Oriskany   |
| Oriskany sand-<br>stone absent.<br>Show of gas<br>at 283'. S. W.<br>at 2,398'.<br>D. & A. | Flint at<br>2,339'—2,378'.<br>S. W. at 2,383'.<br>Black S. W. at<br>3,012'. White<br>Medina sand<br>absent.<br>D. & A. | 420 Mcf. in<br>Oriskany.<br>A little S. W.<br>at 2,290'. | S. W. at 2,170'<br>in Oriskany. | I. O. F. 245 Mcf.<br>a/s. I. R. P.<br>800 Lbs. in<br>Oriskany. |

## PENNSYLVANIA

TABLE I (Cont.)

| COUNTY         |                                | ERIE                              | ERIE   | ERIE   | ERIE  |
|----------------|--------------------------------|-----------------------------------|--|--|---|
| QUADRANGLE     |                                | Erie                              | Erie   | Erie   | Erie  |
| MAP NUMBER     |                                | 10                                | 11   | 12   | 13  |
| NAME OF WELL   |                                | Angelotti<br>No. 1                | A. Ardini<br>No. 1   | Weiss<br>No. 1   | H. Anderson<br>No. 1  |
| OPERATOR       |                                | Dan Cowan,<br>et al.              | Penn. Gas Co.<br>No. 1,527                                   | Chas. Siegel   | Sylvania Corp.<br>No. 374   |
| TOWNSHIP       |                                | Summit                            | Summit   | Summit   | Summit  |
| LATITUDE       |                                | 10,220' South<br>of 42° 05'       | 10,820' South<br>of 42° 05'                                  | 14,880' North<br>of 42° 00'  | 15,000' South<br>of 42° 05'   |
| LONGITUDE      |                                | 9,910' East<br>of 80° 05'         | 315' East<br>of 80° 05'                                      | 7,610' West<br>of 80° 00'  | 11,500' East<br>of 80° 05'  |
| DATE COMPLETED |                                | 2/3/56                            | 9/7/56   | 3/18/55  | 11/22/55  |
| ELEVATION      |                                | 1,255'                            | 1,180'   | 1,332'   | 1,291'  |
| TULLY          |                                | 1,890' —                          | 1,809'—1,908'  | 1,968' —   | 1,935' —  |
| ONONDAGA       |                                | 2,090' —                          | 2,033' —   | 2,210' —   | 2,162' —  |
| ORISKANY       |                                | 2,359' —                          | 2,277' —   | 2,464' —   | 2,414' —  |
| SALT ZONE      |                                |                                   |  |  |   |
| LOCKPORT       |                                |                                   |  |  |   |
| MEDINAN        | RED<br>MEDINA<br>(GRIMSBY)     |                                   |  |  |   |
|                | WHITE<br>MEDINA<br>(WHIRLPOOL) |                                   |  |  |   |
| QUEENSTON      |                                |                                   |  |  |   |
| OSWEGO         |                                |                                   |  |  |   |
| TRENTON        |                                |                                   |  |  |   |
| POTSDAM        |                                |                                   |  |  |   |
| PRECAMBRIAN    |                                |                                   |  |  |   |
| TOTAL DEPTH    |                                | 2,368'                            | 2,287'   | 2,487'   | 2,427'  |
| DEEPEST FM.    |                                | Oriskany                          | Oriskany   | Oriskany   | Oriskany  |
| REMARKS        |                                | I. O. F. 4,000<br>Mcf. at 2,365'. | I. O. F. 30,000<br>Mcf. I. R. P.<br>630 Lbs. in<br>Oriskany. | Show of gas<br>in Oriskany<br>10 Mcf. I. R. P.<br>650 Lbs. S. W.<br>2,471'—2,478'<br>in Oriskany.<br>P. & A. | I. O. F. 3,800<br>Mcf. gas with<br>S. W. in Oriskany.<br>I. R. P.<br>810 Lbs. |



| ERIE                                   | ERIE   | ERIE  | ERIE  | ERIE  |
|--|--|---|---|---|
| Erie                                   | Erie   | Erie  | Erie  | Erie  |
| 14                                     | 15   | 16  | 17  | 18  |
| T. Fagan                               | Niederriter<br>No. 1   | G. Herman<br>No. 1                                  | Himes & Hull<br>No. 1   | Goodwell-<br>Curley No. 1   |
| J. Pitonyak                            | H. D. Brown,<br>et al.   | Summit Oil &<br>Gas Co.                             | D. R. Stevens &<br>A. J. Skrobat  | Stephens,<br>et al.   |
| Summit                                 | Summit   | Summit  | Summit  | Summit  |
| 12,880' South<br>of 42° 05'            | 7,550' South<br>of 42° 05'   | 3,120' North<br>of 42° 00'                          | 14,100' South<br>of 42° 05'   | 13,360' South<br>of 42° 05'   |
| 1,425' East<br>of 80° 05'              | 3,060' East<br>of 80° 05'  | 10,880' West<br>of 80° 00'                          | 9,505' West<br>of 80° 00'   | 6,640' West<br>of 80° 00'   |
| 11/2/56                                | 6/29/56  | 8/31/56   | 1/4/55  | 9/28/56   |
| 1,238'                                 | 1,033'   | 1,439'  | 1,325'  | 1,240'  |
| 1,880' —                               | 1,762' —   | 2,130' —  | 1,957' —  | 1,879' —  |
| 2,100' —                               | 1,995' —   |   | 2,119' —  | 2,111' —  |
| 2,347' —                               | 2,244' —   | 2,612' —  | 2,440' —  | 2,353' —  |
|  |  |   |   |   |
|  |  |   |   |   |
|  |  |   |   | Horizon 3,334' —  |
|  |  |   |   | 3,440'—3,453'   |
|  |  |   |   | 3,453'—4,376'   |
|  |  |   |   |   |
|  |  |   |   | 5,176'—5,876'   |
|  |  |   |   |   |
|  |  |   |   |   |
| 2,358'                                 | 2,251'   | 2,618'  | 2,447'  | 6,015'  |
| Oriskany                               | Oriskany   | Oriskany  | Oriskany  | Gatesburg   |
| I. O. F. 8,000<br>Mcf. in<br>Oriskany. | S. W. at 2,252'.<br>Show of gas,<br>oil and S. W.<br>in Oriskany.<br>P. & A. | Show of gas<br>and S. W. in<br>Oriskany.<br>D. & A. | I. O. F. 1,268<br>Mcf. in Oris-<br>kany. I. R. P.<br>567 Lbs. in<br>15 min. | Gas at 2,369'.<br>S. W. at 2,380'<br>& 6,015'. 30<br>Mcf. at 3,106'—<br>3,110'. Black<br>water at 3,117'.<br>100 Mcf. at<br>3,447'. Gates-<br>burg at 5,979'.<br>20 Mcf. gas at<br>5,970'—5,987'. |

## PENNSYLVANIA

TABLE I (Cont.)

| COUNTY         |                                | ERIE                          | ERIE  | POTTER                                       | POTTER   |
|----------------|--------------------------------|-------------------------------|---|--|--|
| QUADRANGLE     |                                | Erie                          | Fairview  | Genesee                                      | Genesee  |
| MAP NUMBER     |                                | 19                            | 1   | 1  | 2  |
| NAME OF WELL   |                                | C. A. Blase<br>No. 1          | Argonyn<br>No. 1  | F. Markey<br>No. 1                           | E. Morley<br>No. 1                                 |
| OPERATOR       |                                | Chas. Seigel                  | N. Y. S. Nat.<br>Gas Co.  | Cunningham<br>Nat. Gas                       | G. L. Cabot,<br>Inc.                               |
| TOWNSHIP       |                                | Summit                        | Springfield   | Oswayo                                       | Oswayo   |
| LATITUDE       |                                | 13,730' North<br>of 42° 00'   | 25,500' South<br>of 42° 05'   | 580' South<br>of 42° 00'                     | 4,910' South<br>of 42° 00'                         |
| LONGITUDE      |                                | 9,450' East<br>of 80° 05'     | 7,600' West<br>of 80° 25'   | 3,275' East<br>of 78° 00'                    | 4,415' East<br>of 78° 00'                          |
| DATE COMPLETED |                                | 11/2/56                       | 10/17/58  | 1939   | 1939   |
| ELEVATION      |                                | 1,065'                        | 602' D. F.  | 2,086'                                       | 2,178'   |
| TULLY          |                                | 1,710' —                      | 1,100'—1,118'   | 4,189'—4,241'                                | 4,420'—4,470'                                      |
| ONONDAGA       |                                | 1,940' —                      | 1,273'—1,563'   | 4,747' —                                     | 4,986'—5,022'                                      |
| ORISKANY       |                                | 2,222'—2,245'                 | 1,563'—1,603'   | 4,783' —                                     | 5,022' —   |
| SALT ZONE      |                                |                               |   |  |  |
| LOCKPORT       |                                |                               | 2,154'—2,367'   |  |  |
| MEDINAN        | RED<br>MEDINA<br>(GRIMSBY)     |                               | 2,492'—2,650'   |  |  |
|                | WHITE<br>MEDINA<br>(WHIRLPOOL) |                               | 2,650'—2,655'   |  |  |
| QUEENSTON      |                                |                               | 2,655'—3,508'   |  |  |
| OSWEGO         |                                |                               |   |  |  |
| TRENTON        |                                |                               | 4,291'—5,066'   |  |  |
| POTSDAM        |                                |                               |   |  |  |
| PRECAMBRIAN    |                                |                               |   |  |  |
| TOTAL DEPTH    |                                | 3,082'                        | 5,098'  | 4,808'                                       | 5,037'   |
| DEEPEST FM.    |                                |                               | Gatesburg   | Oriskany                                     | Oriskany   |
| REMARKS        |                                | S. W. in Oriskany.<br>P. & A. | Top of Gates-<br>burg at 5,066'.<br>S. W. at 1,568'.<br>Black water<br>at 2,290'. Gas<br>at 2,508'—<br>2,511' & 4,299'.<br>S. W. at 5,081'—<br>5,085' & 5,098'.<br>Show of oil<br>in Gatesburg.<br>(*P) | I. O. F. 13,400<br>Mcf. I. R. P.<br>340 Lbs. | I. O. F. 10 Mcf.<br>at 5,034'.<br>S. W. at 5,037'. |

| POTTER  | POTTER  | POTTER                     | POTTER                     | POTTER   |
|---|---|----------------------------|----------------------------|--|
| Genesee   | Genesee   | Genesee                    | Genesee                    | Genesee  |
| 3   | 4   | 5                          | 6                          | 7  |
| Coyle<br>No. 1                                      | J. Moran<br>No. 1   | G. Carroll<br>No. 1        | M. Fitzstephens<br>No. 1   | T. Cobb<br>No. 1                               |
| C. E. Updegraff,<br>et al.                          | Cunningham<br>Nat. Gas  | Cunningham<br>Nat. Gas     | Fitzstephens,<br>et al.    | C. E. Updegraff,<br>et al.                     |
| Oswayo  | Oswayo  | Oswayo                     | Genesee                    | Genesee  |
| 2,745' South<br>of 42° 00'                          | 5,810' South<br>of 42° 00'  | 5,225' South<br>of 42° 03' | 9,295' South<br>of 42° 00' | 6,285' North<br>of 41° 55'                     |
| 6,180' East<br>of 78° 00'                           | 8,925' East<br>of 78° 00'   | 9,295' East<br>of 78° 00'  | 2,535' West<br>of 77° 55'  | 7,920' East<br>of 77° 55'                      |
| 1939  | 1932  | 1934                       | 1935                       | 1935   |
| 2,140'  | 2,087'  | 2,179'                     | 2,146'                     | 1,953'   |
| 4,325' —  | 4,288'—4,329'   | 4,455'—4,505'              | 4,690' —                   | 4,416'—4,473'                                  |
| 4,826' —  | 4,852' —  | 5,034' —                   | 5,270' —                   | 5,040' —                                       |
| 4,893' —  | 4,875' —  | 5,051' —                   | 5,290' —                   | 5,067' —                                       |
|   |   |                            |                            |  |
|   |   |                            |                            |  |
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|   |   |                            |                            |  |
| 4,897'  | 4,879'  | 5,053'                     | 5,300'                     | 5,080'   |
| Oriskany  | Oriskany  | Oriskany                   | Oriskany                   | Oriskany                                       |
| Show of gas<br>and S. W. in<br>Oriskany.<br>P. & A. | I. O. F. 8,000<br>Mcf. I. R. P.<br>1,950 Lbs.<br>Much S. W. in<br>Oriskany. | S. W. at 5,051'.           | S. W. in<br>Oriskany.      | I. O. F. 27,000<br>Mcf. I. R. P.<br>1,870 Lbs. |

## PENNSYLVANIA

TABLE I (Cont.)

| COUNTY         |                                | POTTER                     | POTTER                                    | POTTER                     | POTTER                     |
|----------------|--------------------------------|----------------------------|---|----------------------------|----------------------------|
| QUADRANGLE     |                                | Genesee                    | Genesee                                   | Genesee                    | Genesee                    |
| MAP NUMBER     |                                | 8                          | 9   | 10                         | 11                         |
| NAME OF WELL   |                                | Duke Estate<br>No. 1       | E. Hill<br>No. 1                          | H. Perry<br>No. 1          | U. Russell                 |
| OPERATOR       |                                | G. L. Cabot,<br>Inc.       | Sylvania                                  | French, et al.             | French, et al.             |
| TOWNSHIP       |                                | Genesee                    | Genesee                                   | Genesee                    | Genesee                    |
| LATITUDE       |                                | 9,240' North<br>of 41° 55' | 4,965' North<br>of 41° 55'                | 8,450' North<br>of 41° 55' | 3,695' North<br>of 41° 55' |
| LONGITUDE      |                                | 9,080' West<br>of 77° 50'  | 7,550' West<br>of 77° 50'                 | 3,590' West<br>of 77° 50'  | 4,120' West<br>of 77° 55'  |
| DATE COMPLETED |                                | 1936                       | 1935                                      | 1938                       | 1937                       |
| ELEVATION      |                                | 2,198'                     | 2,106'                                    | 1,947'                     | 2,357'                     |
| TULLY          |                                | 4,722'-4,771'              | 4,525'-4,576'                             | 4,466'-4,520'              |                            |
| ONONDAGA       |                                | 5,342' -                   | 5,146' -                                  | 5,076'-5,114'              | 5,470' -                   |
| ORISKANY       |                                | 5,370' -                   | 5,169' -                                  | 5,114' -                   | 5,505' -                   |
| SALT ZONE      |                                |                            |   |                            |                            |
| LOCKPORT       |                                |                            |   |                            |                            |
| MEDINAN        | RED<br>MEDINA<br>(GRIMSBY)     |                            |   |                            |                            |
|                | WHITE<br>MEDINA<br>(WHIRLPOOL) |                            |   |                            |                            |
| QUEENSTON      |                                |                            |   |                            |                            |
| OSWEGO         |                                |                            |   |                            |                            |
| TRENTON        |                                |                            |   |                            |                            |
| POTSDAM        |                                |                            |   |                            |                            |
| PRECAMBRIAN    |                                |                            |   |                            |                            |
| TOTAL DEPTH    |                                | 5,376'                     | 5,177'                                    | 5,118'                     | 5,507'                     |
| DEEPEST FM.    |                                | Oriskany                   | Oriskany                                  | Oriskany                   | Oriskany                   |
| REMARKS        |                                | S. W. in<br>Oriskany.      | I. O. F. 24,000<br>Mcf. from<br>Oriskany. | S. W. in<br>Oriskany.      | S. W. in<br>Oriskany.      |



## PENNSYLVANIA

TABLE I (Cont.)

| POTTER                                      | POTTER                                    | POTTER   | POTTER   | POTTER   |
|---|---|--|--|--|
| Genesee                                     | Genesee                                   | Genesee  | Genesee  | Genesee  |
| 12  | 13  | 14   | 15   | 16   |
| W. B. Hall<br>No. 1                         | T. Cobb<br>No. 1                          | F. Estes<br>No. 1                              | B. Rapan<br>No. 1                              | G. Estes<br>No. 1                              |
| Ward Wasson,<br>et al.                      | G. L. Cabot,<br>Inc.                      | Bayless Nat.<br>Gas                            | N. Y. S. Nat.<br>Gas Co.                       | Electro-<br>Geometer                           |
| Genesee                                     | Genesee                                   | Genesee  | Genesee  | Genesee  |
| 2,270' North<br>of 41° 55'                  | 370' North<br>of 41° 55'                  | 55' South<br>of 41° 55'                        | 3,115' North<br>of 41° 55'                     | 1,160' South<br>of 41° 55'                     |
| 740' West<br>of 77° 55'                     | 265' East<br>of 77° 55'                   | 5,625' East<br>of 77° 55'                      | 10,720' East<br>of 77° 55'                     | 6,810' East<br>of 77° 55'                      |
| 1937  | 1936                                      | 1934   | 1936   | 1933   |
| 2,260'                                      | 2,185'                                    | 2,122'   | 2,184'   | 2,176'   |
| 4,758'-4,809'                               | 4,627'-4,677'                             | 4,495'-4,550'                                  | 4,565'-4,627'                                  | 4,565'-4,612'                                  |
| 5,330'—                                     | 5,248'—                                   | 5,111'—  | 5,185'—  | 5,167'-5,198'                                  |
| 5,372'—                                     | 5,280'—                                   | 5,141'—  | 5,217'—  | 5,198'—  |
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| 5,387'                                      | 5,301'                                    | 5,149'   | 5,229'   | 5,200'   |
| Oriskany                                    | Oriskany                                  | Oriskany                                       | Oriskany                                       | Oriskany                                       |
| I. O. F. 7,000<br>Mcf. I. R. P.<br>680 Lbs. | I. O. F. 14,500<br>Mcf. from<br>Oriskany. | I. O. F. 27,250<br>Mcf. I. R. P.<br>2,100 Lbs. | I. O. F. 21,500<br>Mcf. I. R. P.<br>1,245 Lbs. | I. O. F. 13,000<br>Mcf. I. R. P.<br>2,110 Lbs. |

## PENNSYLVANIA

TABLE I (Cont.)

| COUNTY         |                                | POTTER                             | POTTER  | POTTER                                    | POTTER                             |
|----------------|--------------------------------|------------------------------------|---|---|------------------------------------|
| QUADRANGLE     |                                | Genesee                            | Genesee   | Genesee                                   | Genesee                            |
| MAP NUMBER     |                                | 17                                 | 18  | 19  | 20                                 |
| NAME OF WELL   |                                | F. W. Clark<br>No. 1               | M. LeBar<br>No. 1   | Carpenter-<br>Young No. 1                 | C. Webster<br>No. 1                |
| OPERATOR       |                                | C. E. Updegraff,<br>et al.         | G. L. Cabor,<br>Inc.  | Hanley &<br>Bird                          | Hanley &<br>Bird                   |
| TOWNSHIP       |                                | Bingham                            | Bingham   | Bingham                                   | Bingham                            |
| LATITUDE       |                                | 8,185' South<br>of 42° 00'         | 12,040' South<br>of 42° 00'                                   | 14,625' South<br>of 42° 00'               | 10,825' South<br>of 42° 00'        |
| LONGITUDE      |                                | 4,065' West<br>of 77° 45'          | 8,540' East<br>of 77° 50'                                     | 5,810' West<br>of 77° 45'                 | 55' West<br>of 77° 45'             |
| DATE COMPLETED |                                | 1940                               | 1938  | 1941                                      | 1942                               |
| ELEVATION      |                                | 2,330'                             | 2,209'  | 2,112'                                    | 2,169'                             |
| TULLY          |                                | 4,826'–4,887'                      | 4,764'–4,816'   | 4,554'–4,602'                             | 4,635'–4,680'                      |
| ONONDAGA       |                                | 5,461'–5,497'                      | 5,404'–5,443'   | 5,190'–5,226'                             | 5,290'–5,333'                      |
| ORISKANY       |                                | 5,497' –                           | 5,443' –  | 5,226' –                                  | 5,336' –                           |
| SALT ZONE      |                                |                                    |   |   |                                    |
| LOCKPORT       |                                |                                    |   |   |                                    |
| MEDINAN        | RED<br>MEDINA<br>(GRIMSBY)     |                                    |   |   |                                    |
|                | WHITE<br>MEDINA<br>(WHIRLPOOL) |                                    |   |   |                                    |
| QUEENSTON      |                                |                                    |   |   |                                    |
| OSWEGO         |                                |                                    |   |   |                                    |
| TRENTON        |                                |                                    |   |   |                                    |
| POTSDAM        |                                |                                    |   |   |                                    |
| PRECAMBRIAN    |                                |                                    |   |   |                                    |
| TOTAL DEPTH    |                                | 5,504'                             | 5,448'  | 5,237'                                    | 5,343'                             |
| DEEPEST FM.    |                                | Oriskany                           | Oriskany  | Oriskany                                  | Oriskany                           |
| REMARKS        |                                | S. W. in<br>Oriskany at<br>5,502'. | I. O. F. 760<br>Mcf. I. R. P.<br>500 Lbs. S. W.<br>at 5,446'. | I. O. F. 760<br>Mcf. I. R. P.<br>500 Lbs. | S. W. in<br>Oriskany at<br>5,340'. |

## PENNSYLVANIA

TABLE I (Cont.)

| POTTER                      | POTTER                            | POTTER                                     | POTTER  | POTTER                      |
|-----------------------------|-----------------------------------|--|---|-----------------------------|
| Genesee                     | Genesee                           | Genesee                                    | Genesee                                       | Genesee                     |
| 21                          | 22                                | 23   | 24  | 25                          |
| Whitney-Duke<br>No. 1       | West Bingham<br>Grange No. 1      | E. Ransom<br>No. 1                         | R. Harrison<br>No. 1                          | S. Lewis<br>No. 1           |
| G. L. Cabot,<br>Inc.        | G. L. Cabot,<br>Inc.              | G. L. Cabot,<br>Inc.                       | Sylvania                                      | H. R. Van<br>Gilder, et al. |
| Bingham                     | Bingham                           | Bingham                                    | Bingham                                       | Bingham                     |
| 10,400' North<br>of 41° 55' | 9,715' North<br>of 41° 55'        | 10,825' North<br>of 41° 55'                | 12,780' North<br>of 41° 55'                   | 13,305' North<br>of 41° 55' |
| 1,160' West<br>of 77° 50'   | 4,540' East<br>of 77° 50'         | 10,190' East<br>of 77° 50'                 | 10,295' East<br>of 77° 50'                    | 7,605' West<br>of 77° 45'   |
| 1938                        | 1938                              | 1939                                       | 1939  | 1939                        |
| 2,094'                      | 1,779'                            | 1,960'                                     | 2,050'  | 1,940'                      |
| 4,600' —                    | 4,240'—4,293'                     | 4,501'—4,558'                              | 4,499'—4,550'                                 | 4,429'—4,470'               |
| 5,230' —                    | 4,870'—4,901'                     |  | 5,122'—5,156'                                 | 5,070'—5,110'               |
| 5,255' —                    | 4,901' —                          |  | 5,156'—5,176'                                 | 5,110' —                    |
|                             |                                   |  |   |                             |
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|                             |                                   |  |   |                             |
|                             |                                   |  |   |                             |
| 5,259'                      | 4,909'                            | 5,300'                                     | 5,177'  | 5,113'                      |
| Oriskany                    | Oriskany                          | Tully                                      | Oriskany                                      | Oriskany                    |
| S. W. in<br>Oriskany.       | I. O. F. 3,700<br>Mcf. at 4,905'. | Abandoned<br>above<br>Oriskany.<br>D. & A. | I. O. F. 9,000<br>Mcf. I. R. P.<br>1,175 Lbs. | S. W. in<br>Oriskany.       |

| COUNTY         |                                | POTTER                            | POTTER                             | POTTER   | POTTER                     |
|----------------|--------------------------------|-----------------------------------|------------------------------------|--|----------------------------|
| QUADRANGLE     |                                | Genesee                           | Genesee                            | Genesee  | Genesee                    |
| MAP NUMBER     |                                | 26                                | 27                                 | 28   | 29                         |
| NAME OF WELL   |                                | F. Whitney<br>No. 1               | G. L. Tarbox<br>No. 1              | W. Cobb<br>No. 1                               | W. L. Gale<br>No. 1        |
| OPERATOR       |                                | N. Y. S. Nat.<br>Gas Co.          | N. Y. S. Nat.<br>Gas Co.           | Penn-York<br>Nat. Gas Co.                      | Hammondsport<br>Oil & Gas  |
| TOWNSHIP       |                                | Bingham                           | Bingham                            | Allegany                                       | Allegany                   |
| LATITUDE       |                                | 8,080' North<br>of 41° 55'        | 8,185' North<br>of 41° 55'         | 4,540' South<br>of 41° 55'                     | 3,010' South<br>of 41° 55' |
| LONGITUDE      |                                | 370' West<br>of 77° 50'           | 4,330' West<br>of 77° 45'          | 4,225' West<br>of 77° 55'                      | 7,075' East<br>of 77° 55'  |
| DATE COMPLETED |                                | 1936                              | 1947                               | 1935   | 1932                       |
| ELEVATION      |                                | 2,011'                            | 2,269'                             | 2,134'   | 2,211'                     |
| TULLY          |                                | 4,454'-4,503'                     | 4,812'-4,867'                      | 4,600'-4,654'                                  | 4,795'-4,829'              |
| ONONDAGA       |                                | 5,080'—                           | 5,462'-5,500'                      | 5,196'—  | 5,692'-5,732'              |
| ORISKANY       |                                | 5,104'—                           | 5,500'-5,520'                      | 5,231'—  | 5,732'—                    |
| SALT ZONE      |                                |                                   |                                    |  |                            |
| LOCKPORT       |                                |                                   |                                    |  |                            |
| MEDINAN        | RED<br>MEDINA<br>(GRIMSBY)     |                                   |                                    |  |                            |
|                | WHITE<br>MEDINA<br>(WHIRLPOOL) |                                   |                                    |  |                            |
| QUEENSTON      |                                |                                   |                                    |  |                            |
| OSWEGO         |                                |                                   |                                    |  |                            |
| TRENTON        |                                |                                   |                                    |  |                            |
| POTSDAM        |                                |                                   |                                    |  |                            |
| PRECAMBRIAN    |                                |                                   |                                    |  |                            |
| TOTAL DEPTH    |                                | 5,115'                            | 5,538'                             | 5,244'   | 5,744'                     |
| DEEPEST FM.    |                                | Oriskany                          | Oriskany                           | Oriskany                                       | Oriskany                   |
| REMARKS        |                                | I. O. F. 4,200<br>Mcf. at 5,108'. | S. W. in<br>Oriskany at<br>5,510'. | I. O. F. 20,000<br>Mcf. I. R. P.<br>1,700 Lbs. | S. W. in<br>Oriskany.      |



## TABLE I (Cont.)

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## PENNSYLVANIA

TABLE I (Cont.)

| COUNTY         |                                | POTTER                       | POTTER                         | POTTER                      | POTTER                      |
|----------------|--------------------------------|------------------------------|--------------------------------|-----------------------------|-----------------------------|
| QUADRANGLE     |                                | Genesee                      | Genesee                        | Genesee                     | Genesee                     |
| MAP NUMBER     |                                | 35                           | 36                             | 37                          | 38                          |
| NAME OF WELL   |                                | Potter County<br>Comr. No. 1 | M. Cole<br>No. 1               | W. Cobb<br>No. 1            | F. Moe<br>No. 1             |
| OPERATOR       |                                | J. H. Duff,<br>et al.        | Allegany Gas                   | N. Y. S. Nat.<br>Gas Co.    | North Branch<br>Dev.        |
| TOWNSHIP       |                                | Allegany                     | Allegany                       | Allegany                    | Allegany                    |
| LATITUDE       |                                | 11,825' South<br>of 41° 55'  | 14,625' North<br>of 41° 50'    | 10,875' North<br>of 41° 50' | 10,085' North<br>of 41° 50' |
| LONGITUDE      |                                | 10,615' West<br>of 77° 55'   | 10,455' West<br>of 77° 55'     | 8,555' West<br>of 77° 50'   | 4,120' West<br>of 77° 50'   |
| DATE COMPLETED |                                | 1934                         | 1940                           | 1940                        | 1933                        |
| ELEVATION      |                                | 2,259'                       | 2,272'                         | 2,268'                      | 2,405'                      |
| TULLY          |                                | 4,753' —                     | 5,135'-5,190'<br>5,282'-5,312' | 4,939'-4,992'               | 4,665'-4,715'               |
| ONONDAGA       |                                | 5,371' —                     | 6,355'-6,379'                  | 5,589'-5,607'               | 5,297'-5,316'               |
| ORISKANY       |                                | 5,403' —                     | 6,379' —                       | 5,607'-5,618'               | 5,316'-5,326'               |
| SALT ZONE      |                                |                              |                                |                             |                             |
| LOCKPORT       |                                |                              |                                |                             |                             |
| MEDINAN        | RED<br>MEDINA<br>(GRIMSBY)     |                              |                                |                             |                             |
|                | WHITE<br>MEDINA<br>(WHIRLPOOL) |                              |                                |                             |                             |
| QUEENSTON      |                                |                              |                                |                             |                             |
| OSWEGO         |                                |                              |                                |                             |                             |
| TRENTON        |                                |                              |                                |                             |                             |
| POTSDAM        |                                |                              |                                |                             |                             |
| PRECAMBRIAN    |                                |                              |                                |                             |                             |
| TOTAL DEPTH    |                                | 5,405'                       | 6,402'                         | 5,636'                      | 5,440'                      |
| DEEPEST FM.    |                                | Oriskany                     | Oriskany                       | Oriskany                    | Oriskany                    |
| REMARKS        |                                | S. W. in<br>Oriskany.        | S. W. at<br>6,386'-6,388'.     | Dry.                        | Dry, tight<br>sand.         |

## TABLE I (Cont.)

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## PENNSYLVANIA

TABLE I (Cont.)

| COUNTY         |                                | POTTER                      | POTTER                                      | POTTER                     | POTTER  |
|----------------|--------------------------------|-----------------------------|---|----------------------------|---|
| QUADRANGLE     |                                | Genesee                     | Genesee                                     | Genesee                    | Genesee   |
| MAP NUMBER     |                                | 44                          | 45  | 46                         | 47  |
| NAME OF WELL   |                                | M. Kioney<br>No. 1          | Coudersport<br>Trust Co., No. 1             | L. L. Rennels<br>No. 1     | J. Stone<br>No. 4   |
| OPERATOR       |                                | G. L. Cabot,<br>Inc.        | N. Y. S. Nat.<br>Gas Co.                    | G. L. Cabot,<br>Inc.       | G. L. Cabot,<br>Inc.  |
| TOWNSHIP       |                                | Ulysses                     | Ulysses                                     | Ulysses                    | Ulysses   |
| LATITUDE       |                                | 3,905' North<br>of 41° 50'  | 7,235' North<br>of 41° 50'                  | 2,220' North<br>of 41° 50' | 1,585' North<br>of 41° 50'                                    |
| LONGITUDE      |                                | 4,330' East<br>of 77° 50'   | 7,445' East<br>of 77° 50'                   | 2,220' West<br>of 77° 50'  | 1,375' East<br>of 77° 50'                                     |
| DATE COMPLETED |                                | 1940                        | 1939  | 1940                       | 1940  |
| ELEVATION      |                                | 2,390'                      | 2,246'                                      | 2,411'                     | 2,212'  |
| TULLY          |                                | 4,457'-4,516'               | 4,296'—                                     | 4,456'-4,509'              | 4,321'-4,375'   |
| ONONDAGA       |                                | 5,104'-5,133'               | 4,946'—                                     | 5,098'-5,121'              | 4,965'-4,984'   |
| ORISKANY       |                                | 5,133'-5,150'               | 4,963'—                                     | 5,121'-5,140'              | 4,984'-5,010'   |
| SALT ZONE      |                                |                             |   |                            |   |
| LOCKPORT       |                                |                             |   |                            |   |
| MEDINAN        | RED<br>MEDINA<br>(GRIMSBY)     |                             |   |                            |   |
|                | WHITE<br>MEDINA<br>(WHIRLPOOL) |                             |   |                            |   |
| QUEENSTON      |                                |                             |   |                            |   |
| OSWEGO         |                                |                             |   |                            |   |
| TRENTON        |                                |                             |   |                            |   |
| POTSDAM        |                                |                             |   |                            |   |
| PRECAMBRIAN    |                                |                             |   |                            |   |
| TOTAL DEPTH    |                                | 5,285'                      | 4,986'                                      | 5,152'                     | 5,116'  |
| DEEPEST FM.    |                                | Oriskany                    | Oriskany                                    | Oriskany                   | Oriskany  |
| REMARKS        |                                | Show of gas<br>in Oriskany. | I. O. F. 225<br>Mcf. I. R. P.<br>2,170 Lbs. | Dry.                       | Slight show<br>of gas in<br>Oriskany at<br>4,996'.<br>D. & A. |



## TABLE I (Cont.)

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## PENNSYLVANIA

TABLE I (Cont.)

| COUNTY         |                          | POTTER                                   | POTTER                                | POTTER                                  | POTTER                   |
|----------------|--------------------------|--|---------------------------------------|---|--------------------------|
| QUADRANGLE     |                          | Genesee                                  | Genesee                               | Genesee                                 | Genesee                  |
| MAP NUMBER     |                          | 53                                       | 54                                    | 55                                      | 56                       |
| NAME OF WELL   |                          | A. T. Crittenden No. 1                   | Burt & Lyman No. 2                    | L. Champlin No. 2                       | E. Willsey, No. 2        |
| OPERATOR       |                          | North Branch Dev.                        | N. Y. S. Nat. Gas Co.                 | J. B. Reed, et al.                      | United Producing         |
| TOWNSHIP       |                          | Hebron                                   | Hebron                                | Hebron                                  | Hebron                   |
| LATITUDE       |                          | 11,985' North of 41° 50'                 | 9,715' North of 41° 50'               | 10,875' North of 41° 50'                | 12,885' North of 41° 50' |
| LONGITUDE      |                          | 31' East of 78° 00'                      | 4,805' East of 78° 00'                | 7,760' East of 78° 00'                  | 8,025' East of 78° 00'   |
| DATE COMPLETED |                          | 1934                                     | 1940                                  | 1934                                    | 1934                     |
| ELEVATION      |                          | 2,177'                                   | 2,243'                                | 2,260'                                  | 2,226'                   |
| TULLY          |                          | 4,525'-4,564'                            | 4,932'-4,986'                         | 5,030'—                                 | 4,956'—                  |
| ONONDAGA       |                          | 5,102'—                                  | 5,525'-5,545'                         | 5,621'—                                 | 5,595'—                  |
| ORISKANY       |                          | 5,128'—                                  | 5,545'-5,563'                         | 5,658'—                                 | 5,611'—                  |
| SALT ZONE      |                          |  |                                       |   |                          |
| LOCKPORT       |                          |  |                                       |   |                          |
| MEDINAN        | RED MEDINA (GRIMSBY)     |  |                                       |   |                          |
|                | WHITE MEDINA (WHIRLPOOL) |  |                                       |   |                          |
| QUEENSTON      |                          |  |                                       |   |                          |
| OSWEGO         |                          |  |                                       |   |                          |
| TRENTON        |                          |  |                                       |   |                          |
| POTSDAM        |                          |  |                                       |   |                          |
| PRECAMBRIAN    |                          |  |                                       |   |                          |
| TOTAL DEPTH    |                          | 5,144'                                   | 5,570'                                | 5,659'                                  | 5,621'                   |
| DEEPEST FM.    |                          | Oriskany                                 | Oriskany                              | Oriskany                                | Oriskany                 |
| REMARKS        |                          | I. O. F. 17,000 Mcf. I. R. P. 1,520 Lbs. | I. O. F. 143 Mcf. I. R. P. 1,150 Lbs. | I. O. F. 1,000 Mcf. I. R. P. 2,125 Lbs. | S. W. in Oriskany.       |

| POTTER                     | POTTER                     | POTTER                     | POTTER                      | POTTER                                    |
|----------------------------|----------------------------|----------------------------|-----------------------------|---|
| Genesee                    | Genesee                    | Genesee                    | Genesee                     | Genesee                                   |
| 57                         | 58                         | 59                         | 60                          | 61  |
| W. Hemphill<br>No. 1       | E. Coyle<br>No. 1          | E. Coyle<br>No. 1          | A. Mitchell                 | E. Bloss<br>No. 1                         |
| G. L. Cabot,<br>Inc.       | G. H. Rogers,<br>et al.    | C. E. Updegraff            | Evjen &<br>Harris           | Kane, et al.                              |
| Hebron                     | Hebron                     | Hebron                     | Sweden                      | Sweden                                    |
| 7,180' North<br>of 41° 50' | 7,500' North<br>of 41° 50' | 8,235' North<br>of 41° 50' | 11,460' South<br>of 41° 50' | 9,780' South<br>of 41° 50'                |
| 1,690' East<br>of 78° 00'  | 5,755' East<br>of 78° 00'  | 8,235' East<br>of 78° 00'  | 10,295' West<br>of 77° 55'  | 4,970' East<br>of 77° 55'                 |
| 1941                       | 1933                       | 1934                       | 1939                        | 5/24/57                                   |
| 2,093'                     | 2,173'                     | 2,373'                     | 2,039'                      | 2,384'                                    |
| 4,787'-4,841'              | 5,265'-5,328'              | 5,160'-5,220'              | 4,774'-4,827'               | 4,595'—                                   |
| 5,393'-5,415'              | 5,850'-5,875'              |                            | 5,395'—                     | 5,196'—                                   |
| 5,415'—                    | 5,875'—                    | 5,800'-5,820'              |                             |   |
|                            |                            |                            |                             |   |
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|                            |                            |                            |                             |   |
|                            |                            |                            |                             |   |
| 5,433'                     | 5,888'                     | 5,878'                     | 5,501'                      | 5,275'                                    |
| Oriskany                   | Oriskany                   | Oriskany                   | Oriskany                    | Oriskany                                  |
| S. W. at 5,416'.           | Dry.                       | Dry.                       | Oriskany sand<br>absent.    | No record on<br>Oriskany sand.<br>D. & A. |

| COUNTY         |                          | POTTER  | POTTER   | POTTER                                   | POTTER                                 |
|----------------|--------------------------|---|--|--|--|
| QUADRANGLE     |                          | Genesee   | Coudersport                                      | Coudersport                              | Coudersport                            |
| MAP NUMBER     |                          | 62  | 1  | 2  | 3                                      |
| NAME OF WELL   |                          | L. Tarbox No. 1                                     | E. J. Davis No. 1                                | R. Wolcott No. 1                         | F. & A. Dickerson No. 1                |
| OPERATOR       |                          | Trans Eastern Pet. Co.                              | New Penn Dev.                                    | B. Q. D. C. <sup>1</sup>                 | G. L. Cabot, Inc.                      |
| TOWNSHIP       |                          | Ulysses   | Sharon   | Sharon                                   | Sharon                                 |
| LATITUDE       |                          | 13,200' South of 41° 55'                            | 7,815' South of 42° 00'                          | 9,980' South of 42° 00'                  | 8,765' South of 42° 00'                |
| LONGITUDE      |                          | 9,940' East of 77° 50'                              | 9,820' West of 78° 05'                           | 7,815' West of 78° 05'                   | 5,335' West of 78° 05'                 |
| DATE COMPLETED |                          | 7/26/57   | 1939   | 1938                                     | 1939                                   |
| ELEVATION      |                          | 2,160'  | 1,999'   | 1,874'                                   | 2,127'                                 |
| TULLY          |                          | 4,490'–4,538'                                       | 4,344'–4,389'                                    | 4,145'–4,193'                            | 4,386'–4,436'                          |
| ONONDAGA       |                          | 5,132'–   | 4,869'–  | 4,676'–4,734'                            | 4,909'–4,963'                          |
| ORISKANY       |                          | 5,158'–5,173'                                       | 4,920'–  | 4,734'–                                  | 4,963'–                                |
| SALT ZONE      |                          |   |  |  |  |
| LOCKPORT       |                          |   |  |  |  |
| MEDINAN        | RED MEDINA (GRIMSBY)     |   |  |  |  |
|                | WHITE MEDINA (WHIRLPOOL) |   |  |  |  |
| QUEENSTON      |                          |   |  |  |  |
| OSWEGO         |                          |   |  |  |  |
| TRENTON        |                          |   |  |  |  |
| POTSDAM        |                          |   |  |  |  |
| PRECAMBRIAN    |                          |   |  |  |  |
| TOTAL DEPTH    |                          | 5,192'  | 5,026  | 4,736'                                   | 4,980'                                 |
| DEEPEST FM.    |                          | Oriskany  | Oriskany   | Oriskany                                 | Oriskany                               |
| REMARKS        |                          | S. W. at 4,753'–4,754'. Some gas at 5,162'. P. & A. | Gas at 4,921'. I. O. F. 17 Mcf. S. W. at 4,922'. | I. O. F. 18,500 Mcf. I. R. P. 1,925 Lbs. | I. O. F. 10,000 Mcf. I. R. P. 306 Lbs. |



TABLE I (Cont.)

| POTTER                      | POTTER                          | POTTER                             | POTTER                      | POTTER                             |
|-----------------------------|---------------------------------|------------------------------------|-----------------------------|------------------------------------|
| Coudersport                 | Coudersport                     | Coudersport                        | Coudersport                 | Coudersport                        |
| 4                           | 5                               | 6                                  | 7                           | 8                                  |
| G. Kemp, et al.<br>No. 1    | M. White<br>No. 1               | R. Wolcott<br>No. 1                | R. M. Wolcott<br>No. 2      | N. Kemp<br>No. 1                   |
| New Penn Dev.               | Hanley & Bird &<br>Allegany Gas | Hanley & Bird &<br>Allegany Gas    | B. Q. D. C.                 | B. Q. D. C.                        |
| Sharon                      | Sharon                          | Sharon                             | Sharon                      | Sharon                             |
| 10,665' South<br>of 42° 00' | 12,515' South<br>of 42° 00'     | 15,355' North<br>of 41° 55'        | 12,195' South<br>of 42° 00' | 11,140' South<br>of 42° 00'        |
| 9,135' East<br>of 78° 10'   | 11,245' West<br>of 78° 05'      | 10,560' West<br>of 78° 05'         | 7,920' West<br>of 78° 05'   | 6,020' West<br>of 78° 05'          |
| 1939                        | 1943                            | 1942                               | 1939                        | 1939                               |
| 1,667'                      | 2,026'                          | 2,054'                             | 2,129'                      | 1,979'                             |
| 4,005'-4,055'               | 4,341'-4,389'                   | 4,325'-4,385'                      | 4,391'-4,439'               | 4,269'-4,322'                      |
| 4,550'-4,610'               | 4,834'-4,911'                   | 4,854'-4,913'                      | 4,940'-5,004'               | 4,866'-4,923'                      |
| 4,610'-4,617'               | 4,911'-4,918'                   | 4,913' —                           | 5,004' —                    | 4,923' —                           |
|                             |                                 |                                    |                             |                                    |
|                             |                                 |                                    |                             |                                    |
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|                             |                                 |                                    |                             |                                    |
|                             |                                 |                                    |                             |                                    |
|                             |                                 |                                    |                             |                                    |
| 4,672'                      | 4,952'                          | 4,918'                             | 5,007'                      | 4,925'                             |
| Oriskany                    | Oriskany                        | Oriskany                           | Oriskany                    | Oriskany                           |
| Dry.                        | Dry.                            | S. W. in<br>Oriskany at<br>4,918'. | I. O. F. 8 Mcf.             | S. W. in<br>Oriskany at<br>4,924'. |

## PENNSYLVANIA

TABLE I (Cont.)

| COUNTY         |                          | POTTER                       | POTTER                       | POTTER                       | POTTER                     |
|----------------|--------------------------|------------------------------|------------------------------|------------------------------|----------------------------|
| QUADRANGLE     |                          | Coudersport                  | Coudersport                  | Coudersport                  | Coudersport                |
| MAP NUMBER     |                          | 9                            | 10                           | 11                           | 12                         |
| NAME OF WELL   |                          | Dunshie No. 1                | S. White No. 1               | R. Kemp No. 1                | U. Russell No. 1           |
| OPERATOR       |                          | New Penn Dev.                | Sylvania                     | G. L. Cabot, Inc.            | Williamsport Oil & Gas     |
| TOWNSHIP       |                          | Sharon                       | Sharon                       | Sharon                       | Sharon                     |
| LATITUDE       |                          | 13,940' South of 42° 00'     | 13,040' North of 41° 55'     | 13,360' North of 41° 55'     | 2,800' North of 41° 55'    |
| LONGITUDE      |                          | 2,375' West of 78° 05'       | 8,765' West of 78° 05'       | 6,230' West of 78° 05'       | 1,055' East of 78° 10'     |
| DATE COMPLETED |                          | 1940                         | 1939                         | 1939                         | 1938                       |
| ELEVATION      |                          | 1,960'                       | 1,999'                       | 2,033'                       | 2,029'                     |
| TULLY          |                          | 4,303'-4,360'                | 4,284' —                     | 4,400'-4,453'                | 4,549'-4,592'              |
| ONONDAGA       |                          | 4,942'-4,992'                | 4,811' —                     | 5,145'-5,197'                | 5,171'-5,248'              |
| ORISKANY       |                          | 4,992' —                     | 4,863' —                     | 5,197' —                     |                            |
| SALT ZONE      |                          |                              |                              |                              |                            |
| LOCKPORT       |                          |                              |                              |                              |                            |
| MEDINAN        | RED MEDINA (GRIMSBY)     |                              |                              |                              |                            |
|                | WHITE MEDINA (WHIRLPOOL) |                              |                              |                              |                            |
| QUEENSTON      |                          |                              |                              |                              |                            |
| OSWEGO         |                          |                              |                              |                              |                            |
| TRENTON        |                          |                              |                              |                              |                            |
| POTSDAM        |                          |                              |                              |                              |                            |
| PRECAMBRIAN    |                          |                              |                              |                              |                            |
| TOTAL DEPTH    |                          | 4,997'                       | 4,882'                       | 5,199'                       | 5,297'                     |
| DEEPEST FM.    |                          | Oriskany                     | Oriskany                     | Oriskany                     | Oriskany                   |
| REMARKS        |                          | S. W. in Oriskany at 4,992'. | S. W. in Oriskany at 4,886'. | S. W. in Oriskany at 5,198'. | Oriskany sandstone absent. |

PENNSYLVANIA

TABLE I (Cont.)

| POTTER  | POTTER                         | POTTER                     | POTTER                                    | POTTER  |
|---|--------------------------------|----------------------------|---|---|
| Coudersport                                     | Coudersport                    | Coudersport                | Coudersport                               | Coudersport   |
| 13  | 14                             | 15                         | 16  | 17  |
| R. Goldsmith<br>No. 1                           | R. Holmes<br>No. 2             | Kibbeville<br>School No. 1 | R. Baldwin<br>No. 1                       | B. Dunshie<br>No. 1   |
| N. Y. S. Nat.<br>Gas Co.                        | Empire Gas &<br>Fuel Co., Ltd. | B. Q. D. C.                | Sylvania                                  | Empire Gas &<br>Fuel Co., Ltd.                                    |
| Oswayo  | Oswayo                         | Oswayo                     | Oswayo                                    | Oswayo  |
| 5,915' South<br>of 42° 00'                      | 8,820' South<br>of 42° 00'     | 7,865' South<br>of 42° 00' | 10,505' South<br>of 42° 00'               | 14,520' South<br>of 42° 00'                                       |
| 1,160' West<br>of 78° 05'                       | 580' West<br>of 78° 05'        | 4,330' East<br>of 78° 05'  | 4,860' East<br>of 78° 05'                 | 1,635' West<br>of 78° 05'   |
| 1948  | 1940                           | 1939                       | 1939                                      | 1941  |
| 1,798'  | 1,936'                         | 1,987'                     | 2,158'                                    | 2,061'  |
| 4,055'-4,105'                                   | 4,246'-4,298'                  | 4,219'-4,669'              | 4,448'—                                   | 4,439'-4,485'   |
| 4,577'-4,633'                                   | 4,773'-4,824'                  | 4,767'-4,824'              | 4,973'—                                   | 4,975'-5,022'   |
| 4,633'—   | 4,824'—                        | 4,824'—                    | 5,012'—                                   | 5,022'—   |
|   |                                |                            |   |   |
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|   |                                |                            |   |   |
| 4,637'  | 4,826'                         | 4,826'                     | 5,026'                                    | 5,028'  |
| Oriskany  | Oriskany                       | Oriskany                   | Oriskany                                  | Oriskany  |
| I. O. F. 16 Mcf.<br>Show of S. W.<br>at 4,637'. | S. W. at 4,826'.               | S. W. at 4,826'.           | I. O. F. 50<br>Mcf. S. W.<br>in Oriskany. | I. O. F. 280<br>Mcf. I. R. P.<br>720 Lbs. S. W.<br>from Oriskany. |

| COUNTY         |                          | POTTER                  | POTTER                   | POTTER                     | POTTER                   |
|----------------|--------------------------|-------------------------|--------------------------|----------------------------|--------------------------|
| QUADRANGLE     |                          | Coudersport             | Coudersport              | Coudersport                | Coudersport              |
| MAP NUMBER     |                          | 18                      | 19                       | 20                         | 21                       |
| NAME OF WELL   |                          | H. Bunker No. 1         | H. Cobb, et al. No. 1    | Gray Chemical Co.          | A. J. White No. 1        |
| OPERATOR       |                          | B. Q. D. C.             | Allegany Gas             | Potter Dev.                | Hungiville, et al.       |
| TOWNSHIP       |                          | Oswayo                  | Clara                    | Clara                      | Hebron                   |
| LATITUDE       |                          | 8,605' North of 41° 55' | 14,360' South of 41° 55' | 55' North of 41° 50'       | 14,940' South of 41° 55' |
| LONGITUDE      |                          | 10,770' West of 78° 00' | 3,750' West of 78° 05'   | 4,965' West of 78° 05'     | 3,590' West of 78° 00'   |
| DATE COMPLETED |                          | 1939                    | 1939                     | 1933                       | 1933                     |
| ELEVATION      |                          | 2,239'                  | 1,797'                   | 2,176'                     | 1,985'                   |
| TULLY          |                          | 4,890'-4,946'           | 4,677'-4,724'            | 4,799'-4,850'              | 4,564'-4,619'            |
| ONONDAGA       |                          | 5,457'-5,500'           | 5,240'-5,268'            | 5,380'-5,405'              | 5,162'—                  |
| ORISKANY       |                          | 5,500'—                 | 5,268'-5,286'            |                            | 5,188'—                  |
| SALT ZONE      |                          |                         |                          |                            |                          |
| LOCKPORT       |                          |                         |                          |                            |                          |
| MEDINAN        | RED MEDINA (GRIMSBY)     |                         |                          |                            |                          |
|                | WHITE MEDINA (WHIRLPOOL) |                         |                          |                            |                          |
| QUEENSTON      |                          |                         |                          |                            |                          |
| OSWEGO         |                          |                         |                          |                            |                          |
| TRENTON        |                          |                         |                          |                            |                          |
| POTSDAM        |                          |                         |                          |                            |                          |
| PRECAMBRIAN    |                          |                         |                          |                            |                          |
| TOTAL DEPTH    |                          | 5,507'                  | 5,326'                   | 5,488'                     | 5,195'                   |
| DEEPEST FM.    |                          | Oriskany                | Oriskany                 | Oriskany                   | Oriskany                 |
| REMARKS        |                          | S. W. at 5,501'.        | S. W. in Oriskany.       | Oriskany sandstone absent. | S. W. in Oriskany.       |



| POTTER  | POTTER                     | POTTER                      | POTTER   | POTTER                         |
|---|----------------------------|-----------------------------|--|--------------------------------|
| Coudersport                                   | Coudersport                | Coudersport                 | Coudersport                                    | Coudersport                    |
| 22  | 23                         | 24                          | 25   | 26                             |
| S. J. Booth<br>No. 1                          | W. White<br>No. 1          | A. Sturdevant<br>No. 1      | O. Greenman<br>No. 1                           | M. Simpson,<br>et al. No. 1    |
| Hungiville,<br>et al.                         | Lycoming Nat.<br>Gas       | Penn-United<br>Gas          | Lycoming Nat.<br>Gas                           | Appalachian<br>Dev.            |
| Hebron  | Hebron                     | Hebron                      | Hebron   | Hebron                         |
| 13,885' North<br>of 41° 50'                   | 8,500' North<br>of 41° 50' | 10,825' North<br>of 41° 50' | 5,490' North<br>of 41° 50'                     | 4,490' North<br>of 41° 50'     |
| 2,850' West<br>of 78° 00'                     | 5,700' West<br>of 78° 00'  | 1,215' West<br>of 78° 00'   | 6,810' West<br>of 78° 00'                      | 2,850' West<br>of 78° 00'      |
| 1931  | 1934                       | 1935                        | 1934   | 1947                           |
| 1,851'  | 2,293'                     | 2,023'                      | 2,298'   | 2,238'                         |
| 4,332'—                                       | 4,600'—4,643'              | 4,392'—4,440'               | 4,653'—4,712'                                  | 4,916'—4,963'                  |
| 4,893'—                                       | 5,181'—                    | 4,911'—                     | 5,234'—  | 5,500'—5,517'                  |
| 4,923'—                                       | 5,208'—                    | 4,932'—                     | 5,264'—  | 5,517'—5,528'                  |
|   |                            |                             |  |                                |
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|   |                            |                             |  |                                |
|   |                            |                             |  |                                |
| 4,924'  | 5,222'                     | 4,942'                      | 5,270'   | 5,530'                         |
| Oriskany                                      | Oriskany                   | Oriskany                    | Oriskany                                       | Oriskany                       |
| I. O. F. 8,000<br>Mcf. I. R. P.<br>2,110 Lbs. | I. O. F. 14,500<br>Mcf.    | I. O. F. 6,500<br>Mcf.      | I. O. F. 22,000<br>Mcf. I. R. P.<br>1,140 Lbs. | Oriskany sand-<br>stone tight. |

| COUNTY         | POTTER  | POTTER  | POTTER                           | POTTER                          |
|----------------|---|---|----------------------------------|---------------------------------|
| QUADRANGLE     | Coudersport                                     | Coudersport   | Coudersport                      | Coudersport                     |
| MAP NUMBER     | 27  | 28  | 29                               | 30                              |
| NAME OF WELL   | C. Stearns<br>No. 1                             | A. Matteson<br>No. 1  | C. Gorham Est.,<br>No. 1         | W. H. Allen<br>No. 1            |
| OPERATOR       | Potter Dev.<br>Co.                              | Potter Dev.<br>Co.  | Allegany Gas                     | Potter Dev.                     |
| TOWNSHIP       | Hebron  | Hebron  | Hebron                           | Roulette                        |
| LATITUDE       | 1,530' North<br>of 41° 50'                      | 3,960' South<br>of 41° 50'  | 2,905' South<br>of 41° 50'       | 10,615' South<br>of 41° 50'     |
| LONGITUDE      | 210' East<br>of 78° 05'                         | 580' West<br>of 78° 05'   | 8,925' East<br>of 78° 05'        | 8,975' West<br>of 78° 05'       |
| DATE COMPLETED | 1933  | 1932  | 1941                             | 1933                            |
| ELEVATION      | 2,026'  | 2,180'  | 2,213'                           | 2,217'                          |
| TULLY          | 4,537'-4,582'                                   | 4,567'-4,615'   | 5,109'-5,161'                    | 4,707'-4,752'                   |
| ONONDAGA       | 5,106'-5,154'                                   | 5,147'-5,174'   | 5,691'-5,709'                    | 5,245'-5,286'                   |
| ORISKANY       | 5,154'-5,163'                                   | Horiz. 5,174'-5,179'  |                                  |                                 |
| SALT ZONE      |   | 5,528'-5,561' +   |                                  |                                 |
| LOCKPORT       |   |   |                                  |                                 |
| MEDINAN        | RED<br>MEDINA<br>(GRIMSBY)                      |   |                                  |                                 |
|                | WHITE<br>MEDINA<br>(WHIRLPOOL)                  |   |                                  |                                 |
| QUEENSTON      |   |   |                                  |                                 |
| OSWEGO         |   |   |                                  |                                 |
| TRENTON        |   |   |                                  |                                 |
| POTSDAM        |   |   |                                  |                                 |
| PRECAMBRIAN    |   |   |                                  |                                 |
| TOTAL DEPTH    | 5,247'  | 5,561'  | 5,803'                           | 5,369'                          |
| DEEPEST FM.    | Oriskany  | Camillus  | Oriskany                         | Oriskany                        |
| REMARKS        | 4 ft. hard<br>sandstone in<br>Oriskany.<br>Dry. | Oriskany<br>consists of<br>sandy lime-<br>stone. Helder-<br>berg 5,179'-5,245'.<br>Dry. | Oriskany<br>sandstone<br>absent. | Oriskany sand-<br>stone absent. |

| MC KEAN                    | MC KEAN                         | MC KEAN                                 | MC KEAN   | MC KEAN   |
|----------------------------|---------------------------------|---|---|---|
| Coudersport                | Smethport                       | Smethport                               | Smethport   | Smethport   |
| 31                         | 1                               | 2                                       | 3   | 4   |
| A. Nolan<br>No. 1          | G. Taylor<br>No. 1              | J. Higgins<br>No. 1                     | C. Nunn, et al.<br>No. 1                          | M. Zerbe  |
| J. Shuman,<br>et al.       | New Penn Dev.                   | New Penn Dev. &<br>McKean Nat. Gas      | Allegany Gas                                      | Potter Dev.   |
| Ceres                      | Ceres                           | Ceres                                   | Liberty   | Liberty   |
| 1,300' South<br>of 41° 55' | 12,145' South<br>of 42° 00'     | 10,930' North<br>of 41° 55'             | 6,020' North<br>of 41° 50'                        | 1,320' South<br>of 41° 50'  |
| 11,000' West<br>of 78° 10' | 8,185' West<br>of 78° 15'       | 10,085' West<br>of 78° 15'              | 1,530' West<br>of 78° 20'                         | 7,235' West<br>of 78° 20'   |
| 1956                       | 1939                            | 1939                                    | 1945  | 1934  |
| 1,871'                     | 1,555'                          | 1,780'                                  | 1,488'  | 1,751'  |
| 4,412'-4,449'              | 3,993'-4,040'                   | 4,268'-4,293'                           | 3,935'-3,950'                                     | 4,202'-4,220'   |
| 4,911'—                    | 4,526'-4,562'                   | 4,803'—                                 | 4,450'-4,500'                                     | 4,678'-4,726'   |
| Horiz. 4,968'—             | Horiz. 4,562'-4,579'            |   | Horiz. 4,500'—                                    |   |
|                            |                                 |   | 4,850'-5,785'                                     | 5,073'-5,095'   |
|                            |                                 |   |   |   |
|                            |                                 |   | 6,426'-6,492'                                     |   |
|                            |                                 |   | 6,515'-6,564'                                     |   |
|                            |                                 |   | 6,564'—   |   |
|                            |                                 |   |   |   |
|                            |                                 |   |   |   |
|                            |                                 |   |   |   |
|                            |                                 |   |   |   |
| 5,000'                     | 4,701'                          | 4,906'                                  | 6,615'  | 5,135'  |
| Oriskany                   | Oriskany                        | Oriskany                                | Medina  | Camillus  |
| Dry.                       | Oriskany sand-<br>stone absent. | Oriskany sand-<br>stone absent.<br>Dry. | Oriskany sand-<br>stone absent.<br>Dry in Medina. | Oriskany sand-<br>stone absent.<br>Helderberg<br>4,726'-4,783'.<br>Dry. |

| COUNTY         |                          | MC KEAN   | MC KEAN  | WARREN                       | WARREN                                     |
|----------------|--------------------------|---|--|------------------------------|--|
| QUADRANGLE     |                          | Bradford  | Bradford   | Kinzua                       | Kinzua                                     |
| MAP NUMBER     |                          | 1   | 2  | 1                            | 2  |
| NAME OF WELL   |                          | Delo No. 1  | L. Wilson No. 18   | E. Williams No. 1            | M. W. Jamison No. 1                        |
| OPERATOR       |                          | Bradford Deep Well  | South Penn Oil   | Appalachian Dev.             | Sylvania                                   |
| TOWNSHIP       |                          | Foster  | Lafayette  | Corydon                      | Kinzua                                     |
| LATITUDE       |                          | 10,560' South of 42° 00'  | 6,500' North of 41° 45'  | 12,725' South of 42° 00'     | 12,515' South of 41° 50'                   |
| LONGITUDE      |                          | 20,700' West of 78° 30'   | 7,600' East of 78° 45'   | 3,855' West of 78° 55'       | 4,275' East of 79° 00'                     |
| DATE COMPLETED |                          | 1914  | 1948   | 1944                         | 1937                                       |
| ELEVATION      |                          | 1,576'  | 1,545'   | 1,266'                       | 2,055'                                     |
| TULLY          |                          | 3,575'—   | 4,248'—  | 3,125'—                      | 4,464'—                                    |
| ONONDAGA       |                          | 4,065'—4,135'   | 4,655'—4,727'  | 3,444'—3,526'                | 4,745'—4,799'                              |
| ORISKANY       |                          | 4,135'—4,155'   |  | 3,526'—3,538'                | 4,799'—4,819'                              |
| SALT ZONE      |                          | 4,490'—4,713'   | 5,127'—5,610'  |                              |  |
| LOCKPORT       |                          | 5,085'—5,385'   | 5,749'—5,978'  |                              |  |
| MEDINAN        | RED MEDINA (GRIMSBY)     | 5,560'—5,642'   | 6,160'—6,209'  |                              |  |
|                | WHITE MEDINA (WHIRLPOOL) | 5,642'—5,700'   | 6,209'—6,326'  |                              |  |
| QUEENSTON      |                          | 5,700'—   | 6,326'—7,591'  |                              |  |
| OSWEGO         |                          |   | 7,591'—7,652'  |                              |  |
| TRENTON        |                          |   |  |                              |  |
| POTSDAM        |                          |   |  |                              |  |
| PRECAMBRIAN    |                          |   |  |                              |  |
| TOTAL DEPTH    |                          | 5,820'  | 8,002'   | 3,542'                       | 4,830'                                     |
| DEEPEST FM.    |                          | Queenston   | Oswego   | Oriskany                     | Oriskany                                   |
| REMARKS        |                          | Show of oil in Oriskany. Helderberg 4,155'—4,215'. Dry in Medina. | Oriskany sandstone absent. Helderberg 4,727'—4,792'. Dry in Medina and Oswego. (*) | S. W. in Oriskany at 3,527'. | Gas pocket in Onondaga. S. W. in Oriskany. |



TABLE I (Cont.)

| MC KEAN                                 | MC KEAN  | MC KEAN                          | MC KEAN   | MC KEAN                  |
|---|--|----------------------------------|---|--------------------------|
| Kinzua                                  | Kinzua   | Kinzua                           | Kinzua  | Kinzua                   |
| 3                                       | 4  | 5                                | 6   | 7                        |
| E. Williams No. 1                       | L. E. Mallory No. 1  | Kinzua Valley Chemical Co. No. 1 | L. E. Mallory & Son, No. 1                                    | Warrant 3,416 No. 4      |
| Hiawatha Oil & Gas                      | Appalachian Dev.   | Appalachian Dev.                 | Hiawatha Oil & Gas  | South Penn Oil           |
| Foster                                  | Corydon  | Corydon                          | Corydon   | Lafayette                |
| 2,850' South of 42° 00'                 | 9,715' North of 41° 55'                                    | 7,655' South of 41° 55'          | 13,730' North of 41° 50'                                      | 11,510' North of 41° 50' |
| 6,285' West of 78° 45'                  | 8,080' East of 78° 55'                                     | 8,080' East of 78° 55'           | 2,640' West of 78° 50'  | 4,700' West of 78° 45'   |
| 1940                                    | 1943   | 1943                             | 1940  | 1944                     |
| 2,082'                                  | 2,090'   | 1,358'                           | 1,603'  | 2,141'                   |
| 4,018'—                                 | 4,015'—  | 3,452'—                          | 3,795'—   | 4,467'—                  |
| 4,345'—                                 | 4,323'–4,398'  | 3,770'–3,835'                    | 4,166'–4,231'   | 4,816'–4,874'            |
| 4,415'–4,430'                           | 4,398'—  | 3,835'—                          | 4,231'—   | 4,874'—                  |
|   |  |                                  |   |                          |
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|   |  |                                  |   |                          |
|   |  |                                  |   |                          |
| 4,480'                                  | 4,406'   | 3,845'                           | 4,241'  | 4,903'                   |
| Oriskany                                | Oriskany   | Oriskany                         | Oriskany  | Oriskany                 |
| No gas or S. W. in Oriskany.<br>D. & A. | 30 Mcf. of gas in Oriskany.<br>S. W. at 4,401'.<br>P. & A. | S. W. in Oriskany.<br>D. & A.    | 150 Mcf. gas<br>& S. W. at 4,187'–4,190'.<br>S. W. at 4,234'. | S. W. in Oriskany.       |

| COUNTY         |                                | MC KEAN  | MC KEAN                                   | MC KEAN                          | MC KEAN  |
|----------------|--------------------------------|--|---|----------------------------------|--|
| QUADRANGLE     |                                | Kinzua   | Kinzua                                    | Kinzua                           | Kinzua   |
| MAP NUMBER     |                                | 8  | 9   | 10                               | 11   |
| NAME OF WELL   |                                | A. D. Van Scoy<br>No. 1  | Central Penn. Lum-<br>ber Co., No. 1      | Mallory &<br>Williams No. 1      | Warrant 3,410<br>No. 1   |
| OPERATOR       |                                | H. C. Drilling   | Penn-Bradford<br>Oil                      | Roeder, et al.                   | Thornton Co.   |
| TOWNSHIP       |                                | Hamilton   | Hamilton                                  | Corydon                          | Lafayette  |
| LATITUDE       |                                | 4,490' North<br>of 41° 50'   | 8,975' South<br>of 41° 50'                | 1,400' South<br>of 42° 00'       | 8,100' South<br>of 41° 50'   |
| LONGITUDE      |                                | 10,615' West<br>of 78° 50'   | 5,915' East<br>of 78° 55'                 | 21,000' West<br>of 78° 45'       | 1,700' West<br>of 78° 45'  |
| DATE COMPLETED |                                | 1937   | 1939                                      | 12/3/57                          | 12/6/57  |
| ELEVATION      |                                | 2,041'   | 1,342'                                    | 2,000'                           | 2,040'   |
| TULLY          |                                | 4,355' —   | 3,760' —                                  | 3,893' —                         |  |
| ONONDAGA       |                                | 4,701'—4,750'  | 4,070'—4,117'                             | 4,239'—4,310'                    | 4,938'—4,994'  |
| ORISKANY       |                                | 4,750'—4,768'  | 4,117'—4,143'                             | 4,310'—4,324'                    | 4,994'—5,020'  |
| SALT ZONE      |                                |  |   |                                  | 5,362'—5,572'  |
| LOCKPORT       |                                |  |   |                                  | 5,969'—6,390'  |
| MEDINAN        | RED<br>MEDINA<br>(GRIMSBY)     |  |   |                                  | 6,424'—6,456'  |
|                | WHITE<br>MEDINA<br>(WHIRLPOOL) |  |   |                                  | 6,480'—6,567'  |
| QUEENSTON      |                                |  |   |                                  | 6,567' —   |
| OSWEGO         |                                |  |   |                                  |  |
| TRENTON        |                                |  |   |                                  |  |
| POTSDAM        |                                |  |   |                                  |  |
| PRECAMBRIAN    |                                |  |   |                                  |  |
| TOTAL DEPTH    |                                | 4,770'   | 4,146'                                    | 4,401'                           | 6,940'   |
| DEEPEST FM.    |                                | Oriskany   | Oriskany                                  | Oriskany                         | Queenston  |
| REMARKS        |                                | S. W. in<br>Oriskany.<br>428 Mcf. a/s.<br>Gas soon<br>drowned out. | S. W. in<br>Oriskany.<br>I. O. F. 10 Mcf. | S. W. in<br>Oriskany.<br>D. & A. | Clinton at<br>6,390'—6,424'.<br>Gas show at<br>4,859'. Oil<br>show in<br>Oriskany.<br>S. W. at 5,001'.<br>Gas pocket at<br>5,124'. Show<br>of gas in<br>Medina.<br>P. & A. |

| WARREN   | WARREN  | WARREN  | WARREN   | WARREN   |
|--|---|---|--|--|
| Warren   | Warren  | Warren  | Warren   | Warren   |
| 1  | 2   | 3   | 4  | 5  |
| Charles Erickson<br>No. 1  | Lessor & Louner<br>No. 1. Lot 49  | Lessor & Louner<br>No. 1. Lot 60  | M. Honhart<br>No. 1                                    | A. Morck, et al.<br>No. 1                          |
| C. E. Updegraff,<br>et al.   | Potter Dev.   | H. C. Drilling  | G. L. Cabot, Inc.                                      | B. Q. D. C.  |
| Elk  | Kinzua  | Kinzua  | Kinzua   | Pleasant   |
| 5,335' North<br>of 41° 55'   | 10,930' South<br>of 41° 50'   | 12,780' South<br>of 41° 50'   | 12,725' South<br>of 41° 50'                            | 14,835' South<br>of 41° 50'                        |
| 7,710' West<br>of 79° 00'  | 2,535' West<br>of 79° 00'   | 2,165' West<br>of 79° 00'   | 950' West<br>of 79° 00'                                | 6,070' West<br>of 79° 10'                          |
| 1938   | 1937  | 1936  | 1936   | 1937   |
| 1,926'   | 1,994'  | 1,944'  | 1,912'   | 1,642'   |
| 3,760' —   | 4,396' —  | 4,366' —  | 4,338' —   | 4,005' —   |
| 4,104'–4,197'  | 4,676'–4,711'   | 4,620'–4,679'   | 4,599'–4,660'  | 4,218'–4,294'                                      |
| 4,197'–4,199'  | 4,711'–4,738'   | 4,679' —  | 4,660' —   | 4,294'–4,311'                                      |
| 4,600'–4,864'  |   |   |  |  |
| 4,982'–5,246'  |   |   |  |  |
| 5,408' —   |   |   |  |  |
| —5,545'  |   |   |  |  |
| 5,545' —   |   |   |  |  |
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|  |   |   |  |  |
| 5,630'   | 4,928'  | 4,689'  | 4,662'   | 4,372'   |
| Queenston  | Oriskany  | Oriskany  | Oriskany   | Oriskany   |
| Helderberg<br>4,199'–4,257'.<br>Black S. W. at<br>5,148'–5,150'.<br>Shows of gas<br>at 5,145'–<br>5,148' &<br>5,431'–5,433'. | Helderberg<br>4,738'–4,778'.<br>I. O. F. 100<br>Mcf. at<br>4,712'–4,715'<br>with 3 bbl.<br>S. W./day. | Gas from<br>Oriskany.<br>I. O. F. 620<br>Mcf. 1,700 Mcf.<br>a/s drowned<br>out by S. W.<br>I. R. P. 1,795<br>Lbs. | I. O. F. 7 Mcf.<br>at 4,661'.<br>S. W. in<br>Oriskany. | Show of oil<br>at 4,295'.<br>S. W. in<br>Oriskany. |

| COUNTY         |                          | WARREN                  | WARREN                              | WARREN   | WARREN  |
|----------------|--------------------------|-------------------------|-------------------------------------|--|---|
| QUADRANGLE     |                          | Warren                  | Warren                              | Youngsville  | Youngsville   |
| MAP NUMBER     |                          | 6                       | 7                                   | 1  | 2   |
| NAME OF WELL   |                          | Dunham Oil Co.          | South Penn Oil Co. Great Lot No. 74 | Anderson No. 1   | Spetz No. 1   |
| OPERATOR       |                          | Kane Industrial Gas     | L. B. French, et al.                | T. M. Pettigrew, et al.  | Potter Development Co.  |
| TOWNSHIP       |                          | Watson                  | Kinzua                              | Sugar Grove  | Pittsfield  |
| LATITUDE       |                          | 8,870' North of 41° 45' | 15,100' South of 41° 50'            | 1,740' South of 42° 00'  | 15,100' South of 41° 55'  |
| LONGITUDE      |                          | 9,450' East of 79° 15'  | 8,450' West of 79° 00'              | 5,175' East of 79° 20'   | 8,870' East of 79° 30'  |
| DATE COMPLETED |                          | 1937                    | 2/14/53                             | 1947   | 1937  |
| ELEVATION      |                          | 1,686'                  | 1,885'                              | 1,360'   | 1,849'  |
| TULLY          |                          | 3,937'—                 | 4,240'—                             |  | 3,471'—   |
| ONONDAGA       |                          | 4,284'—4,364'           | 4,575'—4,641'                       | 3,046'—3,183'  | 3,752'—3,907'   |
| ORISKANY       |                          | 4,364'—4,376'           | 4,641'—                             |  | Horiz. 3,907'—3,918'  |
| SALT ZONE      |                          |                         |                                     |  | 4,277'—4,415'   |
| LOCKPORT       |                          |                         |                                     |  | 4,655'—   |
| MEDINAN        | RED MEDINA (GRIMSBY)     |                         |                                     | 4,202'—4,265'  | 4,961'—5,043'   |
|                | WHITE MEDINA (WHIRLPOOL) |                         |                                     | 4,295'—4,413'  | 5,126'—5,137'   |
| QUEENSTON      |                          |                         |                                     | 4,413'—  | 5,137'—   |
| OSWEGO         |                          |                         |                                     |  |   |
| TRENTON        |                          |                         |                                     |  |   |
| POTSDAM        |                          |                         |                                     |  |   |
| PRECAMBRIAN    |                          |                         |                                     |  |   |
| TOTAL DEPTH    |                          | 4,444'                  | 4,668'                              | 4,435'   | 5,165'  |
| DEEPEST FM.    |                          | Oriskany                | Oriskany                            | Queenston  | Queenston   |
| REMARKS        |                          | Dry in Oriskany.        | Dry. D. & A.                        | Oriskany sandstone absent. Black S. W. at 3,974'. Dry in Medina. | Oriskany limey with a few quartz grains. Black S. W. at 4,690'—4,714'. Dry in Medina. |



| WARREN   | WARREN  | ERIE  | ERIE   | ERIE  |
|--|---|---|--|---|
| Youngsville  | Youngsville   | Corry   | Corry  | Corry   |
| 3  | 4   | 1   | 2  | 3   |
| I. L. Anderson<br>No. 1  | Mrs. C. Keester<br>No. 1  | W. Stutzman<br>No. 1  | C. J. Follette<br>No. 1  | J. Kalika<br>No. 1  |
| Star Oil   | Penn. Gas Co.<br>No. 1,529  | Penn. Gas Co.   | Penn. Gas Co.  | Penn. Gas Co.   |
| Brokenstraw  | Brokenstraw   | Wayne   | Wayne  | Wayne   |
| 7,655' North<br>of 41° 50'   | 8,020' North<br>of 41° 50'  | 12,300' South<br>of 42° 00'   | 10,295' South<br>of 42° 00'  | 7,390' South<br>of 42° 00'  |
| 6,335' East<br>of 79° 20'  | 5,330' West<br>of 79° 15'   | 5,015' East<br>of 79° 45'   | 8,975' East<br>of 79° 45'  | 8,395' West<br>of 79° 40'   |
| 1922   | 7/24/57   | 1947  | 1947   | 1947  |
| 1,208'   | 1,262'  | 1,660'  | 1,835'   | 1,854'  |
|  | 3,165' —  | 2,770' —  | 2,934' —   | 2,953' —  |
| 3,385'–3,510'  | 3,478'–3,580'   | 3,011' —  | 3,185' —   | 3,199' —  |
| 3,510'–3,520'  | Horiz. 3,580' —   |   |  |   |
| 3,885'–3,910'  | 3,978'–4,216'   | 3,585'–3,607'   | 3,758'–3,945'  | 3,786'–3,795'   |
|  | 4,465' —  |   |  |   |
| 4,537'–4,650'  | 4,709'–4,833'   | 4,233'–4,315'   | 4,391'–4,434'  | 4,413'–4,445'   |
| —4,745'  | 4,883'–4,886'   | 4,320'–4,382'   | 4,434'–4,546'  | 4,445'–4,553'   |
| 4,745' —   | 4,886' —  | 4,390' —  | 4,559' —   | 4,560' —  |
|  |   |   |  |   |
|  |   |   |  |   |
|  |   |   |  |   |
|  |   |   |  |   |
| 5,035'   | 4,898'  | 4,452'  | 4,584'   | 4,591'  |
| Queenston  | Queenston   | Queenston   | Queenston  | Queenston   |
| Show of gas<br>at 3,460'. S. W.<br>at 3,488'.<br>Black S. W. at<br>4,380'. Dry<br>in Medina. | Oriskany sand-<br>stone absent.<br>Black water<br>at 4,470'.<br>Show gas at<br>4,817' and<br>4,829'.<br>D. & A. | Oriskany sand-<br>stone absent.<br>16 Mcf. gas<br>at 3,987'.<br>Black S. W.<br>at 3,988'. 12<br>Mcf. of gas<br>at 4,276'. | Oriskany sand-<br>stone absent.<br>S. W. at 3,427'.<br>6 Mcf. & S. W.<br>at 4,168'. 20<br>Mcf. gas at<br>4,434'. 500<br>Mcf. at 4,544'.<br>900 Mcf. a/s.<br>I. R. P. 1,155<br>Lbs. | Oriskany sand-<br>stone absent.<br>Black S. W.<br>at 4,182'. 2<br>Mcf. of gas<br>at 4,186'. 19<br>Mcf. of gas<br>at 4,549'. 26<br>Mcf. gas a/s<br>at 4,548'–<br>4,552'. |

| COUNTY         |                                | ERIE   | ERIE  | ERIE   | ERIE  |
|----------------|--------------------------------|--|---|--|---|
| QUADRANGLE     |                                | Corry  | Corry   | Corry  | Corry   |
| MAP NUMBER     |                                | 4  | 5   | 6  | 7   |
| NAME OF WELL   |                                | W. Sieklucky No. 1<br>(No. 1,496)  | J. L. Sill<br>No. 1   | M. DeWitt<br>No. 1   | L. R. Proctor<br>No. 1  |
| OPERATOR       |                                | Penn. Gas Co.  | B. Talbert  | Rumble Hill<br>Gas & Oil Co.   | Beaver Dam<br>Petroleum Co.   |
| TOWNSHIP       |                                | Wayne  | Wayne   | Wayne  | Wayne   |
| LATITUDE       |                                | 9,240' South<br>of 42° 00'   | 14,255' North<br>of 41° 55'   | 7,920' North<br>of 41° 55'   | 4,860' North<br>of 41° 55'  |
| LONGITUDE      |                                | 8,555' East<br>of 79° 45'  | 6,715' East<br>of 79° 45'   | 8,710' East<br>of 79° 45'  | 3,380' East<br>of 79° 45'   |
| DATE COMPLETED |                                | 1954   | 1954  | 1954   | 1954  |
| ELEVATION      |                                | 1,821'   | 1,765'  | 1,554'   | 1,533'  |
| TULLY          |                                | 2,926'—  | 2,859'—2,975'   | 2,766'—2,869'  | 2,764'—   |
| ONONDAGA       |                                | 3,172'—3,389'  | 3,153'—   | 3,008'—  | 3,010'—   |
| ORISKANY       |                                |  |   |  |   |
| SALT ZONE      |                                | 3,514'—3,925'  |   |  | 3,710'—3,740'   |
| LOCKPORT       |                                |  |   | 3,995'—4,015'  |   |
| MEDINAN        | RED<br>MEDINA<br>(GRIMSBY)     | 4,366'—4,416'  | 4,400'—4,405'   | 4,210'—4,260'  | 4,201'—4,296'   |
|                | WHITE<br>MEDINA<br>(WHIRLPOOL) | 4,417'—4,428'<br>4,430'—4,475'<br>4,512'—4,524'  | 4,495'—4,509'   | 4,360'—4,372'  | 4,296'—4,310'<br>4,355'—4,359'  |
| QUEENSTON      |                                | 4,528'—  |   | 4,372'—  | 4,362'—   |
| OSWEGO         |                                |  |   |  |   |
| TRENTON        |                                |  |   |  |   |
| POTSDAM        |                                |  |   |  |   |
| PRECAMBRIAN    |                                |  |   |  |   |
| TOTAL DEPTH    |                                | 4,529'   | 4,511'  | 4,376'   | 4,374'  |
| DEEPEST FM.    |                                | Queenston  | Queenston   | Queenston  | Queenston   |
| REMARKS        |                                | Slight show<br>of gas with<br>S. W. at 4,167'<br>in Lockport.<br>22 Mcf. of<br>gas at 4,415'.<br>Show of gas<br>at 4,429' and<br>4,508'. 133 Mcf.<br>a/f in Red<br>Medina. | Oriskany sand-<br>stone absent.<br>Newburg at<br>4,107'. I. O. F.<br>57 Mcf. with<br>S. W. in<br>Medina.<br>P. & A. | Oriskany sand-<br>stone absent.<br>Slight show<br>of gas at<br>4,000'. S. W. at<br>4,015'—4,035'.<br>Medina dry. | Show of gas<br>at 3,196'.<br>Black S. W. at<br>3,937'. Gas at<br>4,254'—4,271'.<br>400 Mcf. a/s<br>in Red Medina.<br>I. R. P. 850<br>Lbs. |

| ERIE  | ERIE  | ERIE   | CRAWFORD  | ERIE   |
|---|---|--|---|--|
| Corry   | Corry   | Corry  | Corry   | Corry  |
| 8   | 9   | 10   | 11  | 12   |
| F. Stutzman<br>No. 1  | Orrin Smith<br>No. 1  | B. Spencer<br>No. 1  | R. Halfast<br>No. 1   | L. I. Sill<br>No. 1  |
| Beaver Dam<br>Petroleum Co.   | Mid East Oil<br>Corp.   | Amity Oil &<br>Gas Co.   | Simpson, et al.   | Plymouth Oil<br>Co.  |
| Wayne   | Eldred  | Wayne  | Sparta  | Wayne  |
| 6,390' North<br>of 41° 55'  | 9,100' North<br>of 41° 45'  | 1,690' South<br>of 42° 00'   | 600' North<br>of 41° 50'  | 2,695' North<br>of 41° 55'   |
| 3,060' East<br>of 79° 45'   | 800' East<br>of 79° 35'   | 9,345' East<br>of 79° 45'  | 2,200' East<br>of 79° 40'   | 1,425' East<br>of 79° 45'  |
| 1953  | 1953  | 1954   | 11/23/56  | 3/23/55  |
| 1,484'  | 1,745'  | 1,682'   | 1,523'  | 1,440'   |
| 2,700'-2,777'   | 3,595'-3,680'   | 2,805'-2,907'  | 3,145'—   | 2,680'-2,760'  |
| 2,944'-3,190'   | 3,872'-3,991'   | 3,045'-3,261'  | 3,392'—   | 2,920'-3,068'  |
|   | 3,991'-4,024'   |  |   | 3,068'-3,073'  |
|   |   | 3,622'-3,845'  |   |  |
|   |   |  |   |  |
| 4,127'-4,182'   | 5,138'-5,206'   | 4,290'-4,366'  |   |  |
|   |   |  |   |  |
| 4,296'-4,309'   | 5,296'-5,305'   | 4,366'-4,450'  |   | 4,176'—  |
| 4,309'—   | 5,305'—   | 4,450'—  |   |  |
|   |   |  |   |  |
|   |   |  |   |  |
|   |   |  |   |  |
|   |   |  |   |  |
| 4,340'  | 5,316'  | 4,457'   | 3,630'  | 4,336'   |
| Queenston   | Queenston   | Queenston  | Helderberg  | Queenston  |
| Oriskany<br>absent. Show<br>of gas & S. W.<br>3,887'-3,900' in<br>Newburg. I. O. F.<br>174 Mcf.<br>I. R. P. 680<br>Lbs. in Red<br>Medina. | Show of gas<br>at 4,864' and<br>S. W. at 4,880'<br>in Lockport.<br>Medina dry.<br>D. & A. | Oriskany sand<br>absent. 10<br>Mcf. gas &<br>S. W. at<br>4,073'-4,097'<br>in Newburg.<br>Sand 4,273'-<br>4,290'.<br>Medina dry.<br>D. & A. | Oriskany sand-<br>stone absent.<br>Helderberg<br>3,555'—<br>Dry.<br>D. & A. | Show gas at<br>3,068'.<br>Newburg at<br>3,865'. Black<br>water at<br>3,900'.<br>Medina dry.<br>D. & A. |



| COUNTY         |                                | CRAWFORD  | CRAWFORD  | CRAWFORD                           | ERIE   |
|----------------|--------------------------------|---|---|------------------------------------|--|
| QUADRANGLE     |                                | Union City  | Union City  | Union City                         | Cambridge Springs  |
| MAP NUMBER     |                                | 1   | 2   | 3                                  | 1  |
| NAME OF WELL   |                                | J. Chapin<br>No. 1  | G. & L. Eaton<br>No. 1  | E. E. Obert<br>No. 1               | J. Kirk<br>No. 1   |
| OPERATOR       |                                | Potter Dev.   | United Nat.<br>Gas  | United Nat.<br>Gas                 | Penn. Gas Co.  |
| TOWNSHIP       |                                | Rockdale  | Rockdale  | Athens                             | McKean   |
| LATITUDE       |                                | 10,510' North<br>of 41° 45'   | 7,340' North<br>of 41° 45'  | 9,325' North<br>of 41° 45'         | 4,540' South<br>of 42° 00'   |
| LONGITUDE      |                                | 790' East<br>of 80° 00'   | 420' West<br>of 79° 55'   | 11,200' East<br>of 79° 55'         | 7,450' West<br>of 80° 05'  |
| DATE COMPLETED |                                | 1937  | 1921  | 1919                               | 7/2/14   |
| ELEVATION      |                                | 1,220'  | 1,368'  | 1,400'                             | 1,340'   |
| TULLY          |                                | 2,634'—   | 2,892'—   | 2,950'—                            |  |
| ONONDAGA       |                                | 2,836'—3,025'   | 3,111'—3,310'   |                                    | 2,320'—2,608'  |
| ORISKANY       |                                |   |   |                                    | 2,608'—2,628'<br>2,690'—2,700'   |
| SALT ZONE      |                                |   |   |                                    | 3,015'—3,060'  |
| LOCKPORT       |                                |   |   |                                    |  |
| MEDINA         | RED<br>MEDINA<br>(GRIMSBY)     | 4,118'—4,219'   |   |                                    | 3,502'—3,613'  |
|                | WHITE<br>MEDINA<br>(WHIRLPOOL) | 4,280'—4,292'   |   |                                    | 3,670'—3,672'  |
| QUEENSTON      |                                | 4,292'—   |   |                                    | 3,672'—  |
| OSWEGO         |                                |   |   |                                    |  |
| TRENTON        |                                |   |   |                                    |  |
| POTSDAM        |                                |   |   |                                    |  |
| PRECAMBRIAN    |                                |   |   |                                    |  |
| TOTAL DEPTH    |                                | 4,354'  | 3,565'  | 3,102'                             | 3,702'   |
| DEEPEST FM.    |                                | Queenston   | Oriskany  | Tully                              | Queenston  |
| REMARKS        |                                | Oriskany sand-<br>stone absent.<br>Black S. W.<br>at 3,922'.<br>Show of gas<br>and a little<br>S. W. in Red<br>Medina.<br>P. & A. | Oriskany sand-<br>stone absent.<br>Show of S. W.<br>at 3,340'.<br>D. & A. | Did not reach<br>Oriskany.<br>Dry. | Limestone at<br>2,628'—2,690'.<br>Black water<br>at 3,332'—3,352'<br>in Lockport.<br>D. & A. |



| ERIE   | ERIE  | ERIE                        | ERIE  | CRAWFORD  |
|--|---|-----------------------------|---|---|
| Cambridge Springs  | Cambridge Springs   | Cambridge Springs           | Cambridge Springs   | Cambridge Springs   |
| 2  | 3   | 4                           | 5   | 6   |
| C. Blaunt<br>No. 1   | W. Steadman<br>No. 1  | R. McGahan                  | Ethridge<br>No. 1   | B. J. Owczykosky<br>No. 1   |
| Wittmer Co. &<br>Mellon & Pollock  | Penn. Gas Co.   | Local Company               | Allegheny<br>Industries   | J. Morrison,<br>et al.  |
| McKean   | Washington  | Washington                  | Washington  | Richmond  |
| 10,140' South<br>of 42° 00'  | 10,750' North<br>of 41° 55'   | 14,800' North<br>of 41° 50' | 7,920' South<br>of 41° 55'  | 1,850' North<br>of 41° 45'  |
| 1,320' East<br>of 80° 05'  | 7,340' East<br>of 80° 10'   | 2,270' West<br>of 80° 05'   | 2,325' East<br>of 80° 05'   | 528' West<br>of 80° 00'   |
| 5/7/32   | 7/2/14  |                             | 11/10/57  | 8/2/57  |
| 1,450'   | 1,192'  | 1,490'                      | 1,413'  | 1,372'  |
|  |   |                             | 2,473'–2,593'   | 2,852'–2,920'   |
| 2,459'–2,739'  | 2,275'–2,560'   |                             | 2,708'—   | 3,057'—   |
| 2,739'–2,813'  | 2,560'–2,580'   |                             | 2,962'–2,966'   | 3,242'–3,245'   |
| 2,863'–2,877'  | 3,020'–3,035'   |                             |   |   |
|  |   |                             |   |   |
| 3,677'–3,769'  | 3,461'–3,533'   |                             |   |   |
|  |   |                             |   |   |
| 3,769'–3,848'  | 3,626'–3,635'   |                             | 4,085'–4,160'   |   |
| 3,848'—  | 3,635'—   |                             | 4,160'–4,920'   |   |
|  |   |                             |   |   |
|  |   |                             | 5,875'—   |   |
|  |   |                             |   |   |
|  |   |                             |   |   |
| 3,988'   | 3,735'  | 3,700'                      | 6,840'  | 3,365'  |
| Queenston  | Queenston   | Est. Oriskany               | Gatesburg   | Oriskany  |
| Show gas in<br>Oriskany.<br>S. W. at 2,807'<br>& 3,490'.<br>Gas at 3,773'.<br>200 Mcf. a/s<br>soon exhausted.<br>P. & A. | S. W. in<br>Oriskany.<br>Black water<br>at 3,214'–<br>3,320'. 2 Mcf.<br>gas at 3,628'.<br>P. & A. | D. & A.                     | Helderberg at<br>2,966'–3,352'.<br>S. W. at 2,976'.<br>Utica shale<br>5,760'–5,875'.<br>Gatesburg<br>6,673'—<br>S. W. at 6,690'.<br>D. & A. | S. W. and show<br>of oil at<br>3,240' in<br>Oriskany. Shot<br>at 3,208'.<br>P. & A. |

| COUNTY         |                          | CRAWFORD                 | ERIE  |  |  |
|----------------|--------------------------|--------------------------|---|--|--|
| QUADRANGLE     |                          | Cambridge Springs        | Girard  |  |  |
| MAP NUMBER     |                          | 7                        | 1   |  |  |
| NAME OF WELL   |                          | Griffith No. 2           | Borst (Pa. State Game Lands) No. 1  |  |  |
| OPERATOR       |                          | A. Zellsmahn, et al.     | R. McConnell  |  |  |
| TOWNSHIP       |                          | Cambridge                | Conneaut  |  |  |
| LATITUDE       |                          | 14,800' North of 41° 45' | 20,300' South of 41° 55'  |  |  |
| LONGITUDE      |                          | 210' West of 80° 05'     | 14,600' West of 80° 25'   |  |  |
| DATE COMPLETED |                          | 7/13/56                  |   |  |  |
| ELEVATION      |                          | 1,260'                   | 965' R. T. <sup>1</sup>   |  |  |
| TULLY          |                          | 2,565'—                  |   |  |  |
| ONONDAGA       |                          | 2,770'—                  | 2,023'—2,292'   |  |  |
| ORISKANY       |                          | 2,992'—2,995'            | 2,292'—2,310'   |  |  |
| SALT ZONE      |                          |                          |   |  |  |
| LOCKPORT       |                          |                          |   |  |  |
| MEDINAN        | RED MEDINA (GRIMSBY)     |                          | 3,341'—3,370'   |  |  |
|                | WHITE MEDINA (WHIRLPOOL) |                          | 3,440'—3,467'   |  |  |
| QUEENSTON      |                          |                          |   |  |  |
| OSWEGO         |                          |                          |   |  |  |
| TRENTON        |                          |                          | 5,223'—5,863'   |  |  |
| POTSDAM        |                          |                          |   |  |  |
| PRECAMBRIAN    |                          |                          |   |  |  |
| TOTAL DEPTH    |                          | 3,060'                   | 5,910'  |  |  |
| DEEPEST FM.    |                          | Oriskany                 | Gatesburg   |  |  |
| REMARKS        |                          | Chert at 2,925'—D. & A.  | Gatesburg 5,888'—Reported 400 Mcf. of gas at 5,806'—5,910'. Still being tested. |  |  |

TABLE I  
Index of Pennsylvania Well Records

| RECORD                               | COUNTY        | QUADRANGLE       | MAP NO. | PAGE |
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| W. H. Allen No. 1.....               | Potter.....   | Coudersport..... | 30      | 378  |
| Anderson No. 1.....                  | Warren.....   | Youngsville..... | 1       | 384  |
| H. Anderson No. 1.....               | Erie.....     | Erie.....        | 13      | 356  |
| I. L. Anderson No. 1.....            | Warren.....   | Youngsville..... | 3       | 385  |
| Angelotti No. 1.....                 | Erie.....     | Erie.....        | 10      | 356  |
| Applebee No. 1.....                  | Erie.....     | North East.....  | 16      | 352  |
| A. Ardini No. 1.....                 | Erie.....     | Erie.....        | 11      | 356  |
| Argonyn No. 1 (*P).....              | Erie.....     | Fairview.....    | 1       | 358  |
| R. Baldwin No. 1.....                | Potter.....   | Coudersport..... | 16      | 375  |
| W. Bennett No. 1.....                | Potter.....   | Genesee.....     | 41      | 367  |
| C. Bertgess.....                     | Erie.....     | North East.....  | 11      | 352  |
| C. A. Blase No. 1.....               | Erie.....     | Erie.....        | 19      | 358  |
| C. Blaunt No. 1.....                 | Erie.....     | Cambridge Spgs.. | 2       | 389  |
| E. Bloss No. 1.....                  | Potter.....   | Genesee.....     | 61      | 371  |
| S. J. Booth No. 1.....               | Potter.....   | Coudersport..... | 22      | 377  |
| S. J. Booth No. 3.....               | Potter.....   | Genesee.....     | 50      | 369  |
| Borst (Pa. State Game Lands) No. 1.. | Erie.....     | Girard.....      | 1       | 390  |
| Frank Buczkowski No. 1.....          | Erie.....     | Erie.....        | 3       | 354  |
| H. Bunker No. 1.....                 | Potter.....   | Coudersport..... | 18      | 376  |
| Burt & Lyman No. 2.....              | Potter.....   | Genesee.....     | 54      | 370  |
| Carpenter-Young No. 1.....           | Potter.....   | Genesee.....     | 19      | 362  |
| G. Carroll No. 1.....                | Potter.....   | Genesee.....     | 5       | 359  |
| Central Penn Lumber Co. No. 1.....   | McKean.....   | Kinzua.....      | 9       | 382  |
| L. Champlin No. 2.....               | Potter.....   | Genesee.....     | 55      | 370  |
| J. Chapin No. 1.....                 | Crawford..... | Union City.....  | 1       | 388  |
| E. N. Clair No. 1.....               | Potter.....   | Genesee.....     | 51      | 369  |
| F. W. Clark No. 1.....               | Potter.....   | Genesee.....     | 17      | 362  |
| H. Cobb et al. No. 1.....            | Potter.....   | Coudersport..... | 19      | 376  |
| T. Cobb No. 1.....                   | Potter.....   | Genesee.....     | 7       | 359  |
| T. Cobb No. 1.....                   | Potter.....   | Genesee.....     | 13      | 361  |
| W. Cobb No. 1.....                   | Potter.....   | Genesee.....     | 28      | 364  |
| W. Cobb No. 1.....                   | Potter.....   | Genesee.....     | 34      | 365  |
| W. Cobb No. 1.....                   | Potter.....   | Genesee.....     | 37      | 366  |
| W. Cobb No. 1A.....                  | Potter.....   | Genesee.....     | 33      | 365  |
| M. Cole No. 1.....                   | Potter.....   | Genesee.....     | 36      | 366  |
| Coudersport Trust Co., No. 1.....    | Potter.....   | Genesee.....     | 45      | 368  |
| Coyle No. 1.....                     | Potter.....   | Genesee.....     | 3       | 359  |
| E. Coyle No. 1.....                  | Potter.....   | Genesee.....     | 58      | 371  |
| E. Coyle No. 1.....                  | Potter.....   | Genesee.....     | 59      | 371  |
| A. T. Crittenden No. 1.....          | Potter.....   | Genesee.....     | 53      | 370  |
| E. J. Davis No. 1.....               | Potter.....   | Coudersport..... | 1       | 372  |
| Delo No. 1.....                      | McKean.....   | Bradford.....    | 1       | 380  |
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| F. & A. Dickerson No. 1.....         | Potter.....   | Coudersport..... | 3       | 372  |

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| Duke Est. No. 1.....        | Potter.....   | Genesee.....     | 8       | 360  |
| Dunham Oil Co.....          | Warren.....   | Warren.....      | 6       | 384  |
| Dunshie No. 1.....          | Potter.....   | Coudersport..... | 9       | 374  |
| B. Dunshie No. 1.....       | Potter.....   | Coudersport..... | 17      | 375  |
| G. & L. Eaton No. 1.....    | Crawford..... | Union City.....  | 2       | 388  |
| Charles Erickson No. 1..... | Warren.....   | Warren.....      | 1       | 383  |
| Erie Deep Test.....         | Erie.....     | Erie.....        | 2       | 354  |
| F. Estes No. 1.....         | Potter.....   | Genesee.....     | 14      | 361  |
| G. Estes No. 1.....         | Potter.....   | Genesee.....     | 16      | 361  |
| Ethridge No. 1.....         | Erie.....     | Cambridge Spgs.. | 5       | 389  |
| Evans No. 1.....            | Erie.....     | North East.....  | 12      | 352  |
| T. Fagan.....               | Erie.....     | Erie.....        | 14      | 357  |
| M. Fitzstephens No. 1.....  | Potter.....   | Genesee.....     | 6       | 359  |
| C. J. Follette No. 1.....   | Erie.....     | Corry.....       | 2       | 385  |
| C. Fuhrman No. 1.....       | Erie.....     | Erie.....        | 6       | 355  |
| E. Furman No. 1.....        | Potter.....   | Genesee.....     | 31      | 365  |
| G. S. Gaber No. 1.....      | Erie.....     | Erie.....        | 5       | 355  |
| W. L. Gale No. 1.....       | Potter.....   | Genesee.....     | 29      | 364  |
| R. Goldsmith No. 1.....     | Potter.....   | Coudersport..... | 13      | 375  |
| Goodwell-Curley No. 1.....  | Erie.....     | Erie.....        | 18      | 357  |
| C. Gorham Est. No. 1.....   | Potter.....   | Coudersport..... | 29      | 378  |
| Gray Chemical Co.....       | Potter.....   | Coudersport..... | 20      | 376  |
| O. Greenman No. 1.....      | Potter.....   | Coudersport..... | 25      | 377  |
| Griffith No. 2.....         | Crawford..... | Cambridge Spgs.. | 7       | 390  |
| R. Halfast No. 1.....       | Crawford..... | Corry.....       | 11      | 387  |
| W. B. Hall No. 1.....       | Potter.....   | Genesee.....     | 12      | 361  |
| R. Harrison No. 1.....      | Potter.....   | Genesee.....     | 24      | 363  |
| Heard No. 1.....            | Erie.....     | North East.....  | 2       | 350  |
| C. W. Held No. 1.....       | Erie.....     | Erie.....        | 4       | 354  |
| W. Hemphill No. 1.....      | Potter.....   | Genesee.....     | 57      | 371  |
| G. Herman No. 1.....        | Erie.....     | Erie.....        | 16      | 357  |
| J. Higgins No. 1.....       | McKean.....   | Smethport.....   | 2       | 379  |
| E. Hill No. 1.....          | Potter.....   | Genesee.....     | 9       | 360  |
| Himes & Hull No. 1.....     | Erie.....     | Erie.....        | 17      | 357  |
| A. A. Holm No. 1.....       | Erie.....     | North East.....  | 10      | 351  |
| R. Holmes No. 2.....        | Potter.....   | Coudersport..... | 14      | 375  |
| M. Honhart No. 1.....       | Warren.....   | Warren.....      | 4       | 383  |
| W. Hosley No. 1.....        | Potter.....   | Genesee.....     | 40      | 367  |
| M. W. Jamison No. 1.....    | Warren.....   | Kinzua.....      | 2       | 380  |
| L. Jones No. 1.....         | Erie.....     | North East.....  | 7       | 351  |
| J. Kalika No. 1.....        | Erie.....     | Corry.....       | 3       | 385  |
| F. Karrell No. 1.....       | Erie.....     | Erie.....        | 8       | 355  |
| Mrs. C. Keester No. 1.....  | Warren.....   | Youngsville..... | 4       | 385  |
| G. Kemp et al. No. 1.....   | Potter.....   | Coudersport..... | 4       | 373  |



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| RECORD                           | COUNTY   | QUADRANGLE      | MAP NO. | PAGE |
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| Kibbeville School No. 1          | Potter   | Coudersport     | 15      | 375  |
| Kinzua Valley Chemical Co. No. 1 | McKean   | Kinzua          | 5       | 381  |
| M. Kioney No. 1                  | Potter   | Genesee         | 44      | 368  |
| J. Kirk No. 1                    | Erie     | Cambridge Spgs. | 1       | 388  |
| M. LeBar No. 1                   | Potter   | Genesee         | 18      | 362  |
| Lessor & Louner No. 1 Lot 49     | Warren   | Warren          | 2       | 383  |
| Lessor & Louner No. 1 Lot 60     | Warren   | Warren          | 3       | 383  |
| D. Lewis No. 1                   | Erie     | North East      | 8       | 351  |
| R. R. Lewis No. 1                | Potter   | Genesee         | 39      | 367  |
| S. Lewis No. 1                   | Potter   | Genesee         | 25      | 363  |
| A. G. Lynman No. 1               | Potter   | Genesee         | 49      | 369  |
| Mallory & Williams No. 1         | McKean   | Kinzua          | 10      | 382  |
| L. E. Mallory No. 1              | McKean   | Kinzua          | 4       | 381  |
| L. E. Mallory & Son No. 1        | McKean   | Kinzua          | 6       | 381  |
| F. Markey No. 1                  | Potter   | Genesee         | 1       | 358  |
| A. Matteson No. 1                | Potter   | Coudersport     | 28      | 378  |
| Mattier Bros. No. 1              | Erie     | North East      | 19      | 353  |
| R. McGahan                       | Erie     | Cambridge Spgs. | 4       | 389  |
| M. K. Meade No. 1                | Erie     | Erie            | 7       | 355  |
| E. Meister No. 1                 | Potter   | Genesee         | 52      | 369  |
| A. Mitchell                      | Potter   | Genesee         | 60      | 371  |
| F. Moe No. 1                     | Potter   | Genesee         | 38      | 366  |
| Moorhead No. 1                   | Erie     | North East      | 5       | 350  |
| J. Moran No. 1                   | Potter   | Genesee         | 4       | 359  |
| A. Morck et al. No. 1            | Warren   | Warren          | 5       | 383  |
| E. Morley No. 1                  | Potter   | Genesee         | 2       | 358  |
| J. J. Morley No. 1               | Potter   | Genesee         | 43      | 367  |
| Niederriter No. 1                | Erie     | Erie            | 15      | 357  |
| A. Nolan No. 1                   | McKean   | Coudersport     | 31      | 379  |
| C. Nunn et al. No. 1             | McKean   | Smethport       | 3       | 379  |
| E. E. Obert No. 1                | Crawford | Union City      | 3       | 388  |
| P. M. Osborn No. 1               | Erie     | Erie            | 9       | 355  |
| F. Osgood No. 1                  | Potter   | Genesee         | 30      | 365  |
| B. J. Owczykosky No. 1           | Crawford | Cambridge Spgs. | 6       | 389  |
| Penn State Lands No. 1 (Block 2) | Erie     | North East      | 18      | 353  |
| H. Perry No. 1                   | Potter   | Genesee         | 10      | 360  |
| Potter County Commissioner No. 1 | Potter   | Genesee         | 35      | 366  |
| Presque Isle No. 1               | Erie     | Erie            | 1       | 354  |
| L. R. Proctor No. 1              | Erie     | Corry           | 7       | 386  |
| E. Ransom No. 1                  | Potter   | Genesee         | 23      | 363  |
| B. Rapan No. 1                   | Potter   | Genesee         | 15      | 361  |
| L. L. Rennels No. 1              | Potter   | Genesee         | 46      | 368  |
| U. Russell                       | Potter   | Genesee         | 11      | 360  |
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| J. Sheridan No. 1.....                | Erie.....   | North East.....  | 3       | 350  |
| W. Sieklucky No. 1 (No. 1496).....    | Erie.....   | Corry.....       | 4       | 386  |
| J. L. Sill No. 1.....                 | Erie.....   | Corry.....       | 5       | 386  |
| L. I. Sill No. 1.....                 | Erie.....   | Corry.....       | 12      | 387  |
| Silliman No. 1.....                   | Erie.....   | North East.....  | 4       | 350  |
| M. Simpson et al. No. 1.....          | Potter..... | Coudersport..... | 26      | 377  |
| Orrin Smith No. 1.....                | Erie.....   | Corry.....       | 9       | 387  |
| South Penn Oil Co. Great Lot No. 74.. | Warren..... | Warren.....      | 7       | 384  |
| B. Spencer No. 1.....                 | Erie.....   | Corry.....       | 10      | 387  |
| Spetz No. 1.....                      | Warren..... | Youngsville..... | 2       | 384  |
| W. Steadman No. 1.....                | Erie.....   | Cambridge Spgs.. | 3       | 389  |
| C. Stearns No. 1.....                 | Potter..... | Coudersport..... | 27      | 378  |
| J. Stone No. 4.....                   | Potter..... | Genesee.....     | 47      | 368  |
| J. Stone No. 1.....                   | Potter..... | Genesee.....     | 48      | 369  |
| A. Sturdevant No. 1.....              | Potter..... | Coudersport..... | 24      | 377  |
| F. Stutzman No. 1.....                | Erie.....   | Corry.....       | 8       | 387  |
| W. Stutzman No. 1.....                | Erie.....   | Corry.....       | 1       | 385  |
| G. L. Tarbox No. 1.....               | Potter..... | Genesee.....     | 27      | 364  |
| L. Tarbox No. 1.....                  | Potter..... | Genesee.....     | 62      | 372  |
| G. Taylor No. 1.....                  | McKean..... | Smethport.....   | 1       | 379  |
| J. Thompson No. 1.....                | Erie.....   | North East.....  | 13      | 352  |
| L. Thompson No. 1.....                | Erie.....   | North East.....  | 17      | 353  |
| C. R. Thornton No. 1.....             | Erie.....   | North East.....  | 6       | 351  |
| J. Torok No. 1.....                   | Potter..... | Genesee.....     | 42      | 367  |
| Truesdail No. 1.....                  | Erie.....   | North East.....  | 14      | 352  |
| A. D. Van Scoy No. 1.....             | McKean..... | Kinzua.....      | 8       | 382  |
| Warrant 3416 (No. 4).....             | McKean..... | Kinzua.....      | 7       | 381  |
| Warrant 3410 (No. 1).....             | McKean..... | Kinzua.....      | 11      | 382  |
| C. Webster No. 1.....                 | Potter..... | Genesee.....     | 20      | 362  |
| Weiss No. 1.....                      | Erie.....   | Erie.....        | 12      | 356  |
| West Bingham Grange No. 1.....        | Potter..... | Genesee.....     | 22      | 363  |
| A. J. White No. 1.....                | Potter..... | Coudersport..... | 21      | 376  |
| M. White No. 1.....                   | Potter..... | Coudersport..... | 5       | 373  |
| S. White No. 1.....                   | Potter..... | Coudersport..... | 10      | 374  |
| W. White No. 1.....                   | Potter..... | Coudersport..... | 23      | 377  |
| Whitney-Duke No. 1.....               | Potter..... | Genesee.....     | 21      | 363  |
| F. Whitney No. 1.....                 | Potter..... | Genesee.....     | 26      | 364  |
| E. Willsey No. 2.....                 | Potter..... | Genesee.....     | 56      | 370  |
| E. Williams No. 1.....                | Warren..... | Kinzua.....      | 1       | 380  |
| E. Williams No. 1.....                | Warren..... | Kinzua.....      | 3       | 381  |
| L. Wilson No. 18 (*).....             | McKean..... | Bradford.....    | 2       | 380  |
| C. Winkleman No. 1.....               | Erie.....   | North East.....  | 15      | 353  |
| R. Wolcott No. 1.....                 | Potter..... | Coudersport..... | 2       | 372  |
| R. Wolcott No. 1.....                 | Potter..... | Coudersport..... | 6       | 373  |
| R. M. Wolcott No. 2.....              | Potter..... | Coudersport..... | 7       | 373  |
| M. Zerbe.....                         | McKean..... | Smethport.....   | 4       | 379  |

CANADIAN WELL RECORDS

Province of Ontario

| COUNTY         |                                | YORK                            | PEAL  | HALTON   | HALTON  |
|----------------|--------------------------------|---------------------------------|---|--|---|
| QUADRANGLE     |                                | "A"*                            | "B"   | "C"  | "G"   |
| MAP NUMBER     |                                | 1                               | 1   | 1  | 1   |
| NAME OF WELL   |                                | C. N. E.<br>No. 1               | G. H. Wilson<br>No. 1   | B. Robertson<br>No. 1  | J. A. Macklin<br>No. 1  |
| OPERATOR       |                                | Imperial Oil<br>Co.             | R. L. Killins   | Anthony Gas &<br>Oil Explor., Ltd.   | F. A. Ogletree  |
| TOWNSHIP       |                                | City of Toronto                 | Toronto   | Esquesing  | Nelson  |
| LATITUDE       |                                |                                 |   |  |   |
| LONGITUDE      |                                |                                 |   |  |   |
| DATE COMPLETED |                                | 8/1948                          | 8/17/54   | 7/31/56  | 12/1929   |
| ELEVATION      |                                |                                 | 580'  | 1,076' Grd.  |   |
| TULLY          |                                |                                 |   |  |   |
| ONONDAGA       |                                |                                 |   |  |   |
| ORISKANY       |                                |                                 |   |  |   |
| SALT ZONE      |                                |                                 |   |  |   |
| LOCKPORT       |                                |                                 |   | 0'-51'   |   |
| MEDINAN        | RED<br>MEDINA<br>(GRIMSBY)     |                                 |   | 51'-116'   |   |
|                | WHITE<br>MEDINA<br>(WHIRLPOOL) |                                 |   | 116'-127'  |   |
| QUEENSTON      |                                |                                 |   | 127'-588'  |   |
| OSWEGO         |                                |                                 |   |  |   |
| TRENTON        |                                | 490' -                          | 865'-1,470'   | 1,432'-1,928'  | 1,060'-1,725'   |
| POTSDAM        |                                |                                 | 1,470'-1,515'   |  |   |
| PRECAMBRIAN    |                                |                                 | 1,535'  |  |   |
| TOTAL DEPTH    |                                | 1,000'                          | 1,536'  | 2,088'   | 1,740'  |
| DEEPEST FM.    |                                |                                 | Precambrian   | Black River  |   |
| REMARKS        |                                | Well starts<br>below Queenston. | Arkose 1,515'-<br>1,535'. Dry.<br>Called well<br>No. 3 in Lot<br>12, Con. 3W.<br>** | Black River<br>1,928'-2,088'+.<br>Show of gas at<br>2,014'-2,018'.<br>Dry. Called<br>Well No. 2.<br>Anthony No. 11.<br>Lot 16, Con. 3.<br>** | Arkose 1,725'-<br>1,740'. Gas<br>show at 225',<br>250', 450'<br>and 485'.<br>Salt water<br>1,072' & 1,725'.<br>Dry. Well in<br>Lot 3, Con. 3.<br>** |



| WELLAND                           | LINCOLN                             | LINCOLN   | WENTWORTH   | BRANT  |
|-----------------------------------|-------------------------------------|---|---|--|
| Niagara Falls                     | "J"                                 | "J"   | "L"   | "M"  |
| 1                                 | 1                                   | 2   | 1   | 1  |
| Well No. 5                        | Well No. 6                          | C. Overholt Est. No. 1  | Gartstone No. 3   | A. Sharpe No. 1  |
|                                   | St. Catherine Nat. Gas Co.          | Monock Gas Syndicate  | Valley Oil & Gas Co.  |  |
| Thorold                           | Louth                               | Louth   | Ancaster  | Onondaga   |
| 42,200' North of 43° 00'          | 58,100' North of 43° 00'            |   |   |  |
| 51,500' West of 79° 00'           | 75,200' West of 79° 00'             |   |   |  |
|                                   | 1889                                | 9/25/52   | 2/28/22   | 7/1942   |
| 517'                              | 297'                                | 315' Est.   | 561' Grd.   | 707'   |
|                                   |                                     |   |   |  |
|                                   |                                     |   |   |  |
|                                   |                                     |   |   |  |
|                                   |                                     |   |   |  |
|                                   |                                     |   |   | 145'-405'  |
| 120' —                            |                                     |   | 65'-100'  | 470'-557'  |
| 207' —                            |                                     |   | 150'-162'   | 557'-560'  |
| 237' —                            |                                     | 21'-729'  | 162'-600'   | 560'-1,115'  |
|                                   |                                     |   |   |  |
| 1,905' —                          | 1,506' —                            | 1,519'-2,192'   | 1,360'-2,138'   | 1,975'-2,640'  |
|                                   | 2,173' —                            | 2,192'-2,233'   | 2,138'-2,158'   |  |
|                                   |                                     |   | 2,158'  |  |
| 2,430'                            | 2,200'                              | 2,313'  | 2,160'  | 2,723'(?)  |
| Trenton                           | Potsdam                             | Arkose  | Precambrian   | Theresa?   |
| Very small flow of gas at 2,430'. | 4 Mcf. at 2,185'. In Lot 4, Con. 3. | Arkose 2,233'-2,313'. Salt water at 18', 81', 261', 2,233', 2,252' & 2,306'. No gas. Dry hole. In Lot 22, Con. 2.<br>** | Granite at 2,158'. Gas show at 2,120'. Oil show at 2,134'. In Lot 38, Con. 1.<br>** | Dolomites and sandstone. 2,650'-2,723'? Dry hole. In Lot 4, Con. 2.<br>(*) |

| COUNTY         |                                | WELLAND   | WELLAND                    | WELLAND   | WELLAND   |
|----------------|--------------------------------|---|----------------------------|---|---|
| QUADRANGLE     |                                | Buffalo   | "O"                        | "O"   | "O"   |
| MAP NUMBER     |                                | 51  | 1                          | 2   | 3   |
| NAME OF WELL   |                                | C. Baxter, et al.<br>No. 492  | Well<br>No. 8              | F. Pearson<br>No. 2   | Well<br>No. 4   |
| OPERATOR       |                                | Provincial Nat.<br>Gas Co.  |                            |   | Provincial<br>Nat. Gas Co.                              |
| TOWNSHIP       |                                | Bertie  | Willoughby                 | Crowland  | Bertie  |
| LATITUDE       |                                | 31,200' South<br>of 43° 00'   | 4,200' South<br>of 43° 00' | 4,300' South<br>of 43° 00'                                  | 27,600' South<br>of 43° 00'                             |
| LONGITUDE      |                                | 12,500' East<br>of 79° 00'  | 17,100' West<br>of 79° 00' | 46,300' West<br>of 79° 00'                                  | 26,900' West<br>of 79° 00'                              |
| DATE COMPLETED |                                | 10/23/23  |                            | 8/11/55   |   |
| ELEVATION      |                                | 593' Grd.   | 600' Topo.                 | 613'  | 605'  |
| TULLY          |                                |   |                            |   |   |
| ONONDAGA       |                                |   |                            |   |   |
| ORISKANY       |                                |   |                            |   |   |
| SALT ZONE      |                                |   |                            |   |   |
| LOCKPORT       |                                |   | 196' —                     | 283'—427'   | 338'—628'   |
| MEDINA         | RED<br>MEDINA<br>(GRIMSBY)     | 805'—905'   | 503'—594'                  | 524'—601'   | 660'—758'   |
|                | WHITE<br>MEDINA<br>(WHIRLPOOL) | 905'—917'   | 594'—614'                  | 601'—624'   | 758'—774'   |
| QUEENSTON      |                                | 917'—1,880'   | 614' —                     | 624'—1,542'   | 774' —  |
| OSWEGO         |                                |   |                            |   |   |
| TRENTON        |                                | 2,685'—3,425'   | 2,313' —                   | 2,335'—3,038'   | 2,525' —  |
| POTSDAM        |                                | 3,445' —  | 2,998' —                   |   | 3,210' —  |
| PRECAMBRIAN    |                                |   | 3,030'                     |   | 3,255'  |
| TOTAL DEPTH    |                                | 3,470'  | 3,032'                     | 3,197'  | 3,257'  |
| DEEPEST FM.    |                                | Potsdam   | Precambrian                | Mount Simons?   | Precambrian   |
| REMARKS        |                                | S. W. at 34',<br>55' & 3,455'—<br>3,470'. Dry<br>hole. In Lot<br>3, Con. 3.<br>Lake Erie.<br>** | In Lot 4,<br>Con. 3.       | Mount<br>Simons?<br>3,038'—<br>In Lot 11,<br>Con. 5.<br>(*) | S. W. at 470'.<br>Gas at 743'.<br>In Lot 6,<br>Con. 15. |

| WELLAND                  | WELLAND                         | WELLAND                                | WELLAND                                    | WELLAND  |
|--------------------------|---------------------------------|--|--|--|
| "O"                      | "O"                             | "O"                                    | "P"  | "P"  |
| 4                        | 5                               | 6                                      | 1  | 2  |
| Well No. 7               | Well No. 3                      | Well No. 2                             | Well No. 273                               |  |
|                          | Provincial Nat. Gas Co.         | Provincial Nat. Gas Co.                | Provincial Nat. Gas Co.                    |  |
| Humberstone              | Bertie                          | Bertie                                 | Wainfleet                                  | Wainfleet  |
| 35,700' South of 43° 00' | 51,000' South of 43° 00'        | 54,200' South of 43° 00'               |  |  |
| 41,500' West of 79° 00'  | 27,800' West of 79° 00'         | 27,000' West of 79° 00'                |  |  |
|                          | 2/23/19                         | 8/1919                                 | 1908                                       | 7/1944   |
| 600' Topo.               | 600' Topo.                      | 575' Topo.                             | 582' Grd.                                  | 590' Est.  |
|                          |                                 |  |  |  |
|                          |                                 |  |  |  |
|                          |                                 |  |  |  |
|                          |                                 |  |  | 387'-620'  |
|                          | 772'-870'                       | 800'-895'                              | 729'—                                      | 715'-810'  |
|                          | 870'-885'                       | 895'-915'                              |  | 810'-825'  |
|                          | 885'—                           | 915'—                                  |  | 825'—  |
|                          |                                 |  |  |  |
| 2,520'—                  | 2,605'—                         | 2,663'—                                | 2,440'-3,171'                              |  |
|                          | 3,338'—                         | 3,385'—                                |  |  |
| 3,300'                   |                                 |  | 3,171'                                     |  |
| N. R.                    | N. R.                           | 3,410'                                 | 3,171'                                     | 831'   |
| Precambrian              |                                 | Potsdam                                | Precambrian                                | Queenston  |
| In Lot 9, Con. 2.        | Dry hole. In Lot 33, Con. B. F. | S. W. at 3,385'. In Lot 32, Con. B. F. | Granite at 3,171'. No data on Lot and Con. | Fresh water at 74'. Sulphur water at 160'. Sulphur gas at 495'. Dry hole. In Lot 14, Con. 1. |

| COUNTY         |                          | HALDIMAND                          | HALDIMAND  | HALDIMAND   | HALDIMAND                 |
|----------------|--------------------------|------------------------------------|--|---|---------------------------|
| QUADRANGLE     |                          | "Q"                                | "Q"  | "Q"   | "R"                       |
| MAP NUMBER     |                          | 1                                  | 2  | 3   | 1                         |
| NAME OF WELL   |                          | B. & F. Culp.                      | L. Dickoof   |   | H. Meadows No. 2          |
| OPERATOR       |                          | Dominion Nat. Gas Co.              |  | Dominion Nat. Gas Co.   |                           |
| TOWNSHIP       |                          | South Cayuga                       | Sherbrooke   | Dunn  | South Cayuga              |
| LATITUDE       |                          |                                    |  |   |                           |
| LONGITUDE      |                          |                                    |  |   |                           |
| DATE COMPLETED |                          | 4/27/21                            | 2/ /50   | 7/ /45  |                           |
| ELEVATION      |                          | 627' Grd.                          | 586.5'   | 602'  |                           |
| TULLY          |                          |                                    |  |   |                           |
| ONONDAGA       |                          | 34'-110'                           |  | 23'-48'   |                           |
| ORISKANY       |                          |                                    |  |   |                           |
| SALT ZONE      |                          |                                    |  |   |                           |
| LOCKPORT       |                          | 430'-605'                          | 453'-686'  | 420'-645'   | 400'-595'                 |
| MEDINAN        | RED MEDINA (GRIMSBY)     | 740'-835'                          | 757'-860'  | 745'-842'   | 704'-805'                 |
|                | WHITE MEDINA (WHIRLPOOL) | 835'-847'                          | 860'-867'  | 842'-859'   | 805'-820'                 |
| QUEENSTON      |                          | 847'-1,500'                        | 867' —   | 859' —  | 820' —                    |
| OSWEGO         |                          |                                    |  |   |                           |
| TRENTON        |                          | 2,450'-3,153.5'                    |  |   |                           |
| POTSDAM        |                          | 3,153.5' —                         |  |   |                           |
| PRECAMBRIAN    |                          |                                    |  |   |                           |
| TOTAL DEPTH    |                          | 3,162'                             | 900'   | 860'  | 825'                      |
| DEEPEST FM.    |                          | Potsdam                            | Queenston  | Queenston   | Queenston                 |
| REMARKS        |                          | Dry hole. In Lot 19, Con. 6.<br>** | Water at 65'. Gas at 245'. Gas at 734'-870'. I. O. F. 12 Mcf. I. R. P. 300 Lbs. In Lot 15, Con. 2.<br>** | Water at 31'. Gas at 742'-747'. I. O. F. 25 Mcf. I. R. P. 310 Lbs. 32 Mcf. a/s. In Lot 3, Con. 4 SDR. | In Lot 25, Con. 4.<br>(*) |



| HALDIMAND   | HALDIMAND            | HALDIMAND                    | HALDIMAND                                      | NORFOLK  |
|---|----------------------|------------------------------|--|--|
| "R"   | "R"                  | "R"                          | "S"  | "S"  |
| 2   | 3                    | 4                            | 1  | 2  |
| Doughty<br>No. 1  |                      | W. Evans<br>No. 2            | K. Voakes<br>No. 1                             | J. & S. Kelp<br>No. 10   |
|   |                      | Lake Erie<br>Gas Co.         |  | United States<br>Steel Co.   |
| Rainham   |                      | Rainham                      | Walpole  | Woodhouse  |
|   |                      |                              |  | 67,056' South<br>of 43° 00'  |
|   |                      |                              |  | 54,912' West<br>of 80° 00'   |
| 1936  | 1940                 | 1938                         |  | 11/52  |
| 686'  |                      |                              |  | 736'   |
|   |                      |                              |  |  |
|   | 8'-120'              | 20'-80'                      | 30'-160'                                       | 153'-358'  |
|   |                      |                              |  | 358'-365'  |
|   |                      |                              |  |  |
| 460'-640'   | 490'-685'            | 440'-690'                    | 515'-820'                                      | 764'-1,008'  |
| 740'-855'   | 815'-913'            | 755'-850'                    | 895'-1,003'                                    | 1,095'-1,125'  |
| 855'-870'   | 913'-925'            | 850'-860'                    | 1,003'-1,005'                                  | 1,201'-1,203'  |
| 870' —  | 925'—                | 865' —                       | 1,005' —                                       | 1,203'-1,987'  |
|   |                      |                              |  |  |
|   |                      |                              |  | 2,661'-3,236'  |
|   |                      |                              |  |  |
|   |                      |                              |  |  |
| 874'  | 950'                 | 868'                         | 1,008'   |  |
| Queenston   | Queenston            | Queenston                    | Queenston                                      | Cambrian   |
| Fresh water<br>at 46'.<br>Sulphur gas<br>at 420'.<br>D. & A.<br>In Lot 2,<br>Con. 7.<br>(*) | In Lot 4,<br>Con. 3. | In Lot 25,<br>Con. 1.<br>(*) | Called Well<br>No. 2, Lot 1,<br>Con. 1.<br>(*) | Pamelia?<br>3,236'-3,383.5'.<br>Cambrian<br>3,383.5'—<br>Total depth<br>unknown.<br>Diamond drill<br>hole No. 2. In<br>Lot 6, Con.<br>Gore.<br>(*) |

| COUNTY         |                          | NORFOLK                                       | LAKE ERIE  |  |  |
|----------------|--------------------------|---|--|--|--|
| QUADRANGLE     |                          | "T"   | "X"  |  |  |
| MAP NUMBER     |                          | 1   | 1  |  |  |
| NAME OF WELL   |                          | Well No. 1                                    |  |  |  |
| OPERATOR       |                          | United States Steel Co.                       | Northcal Oils Limited*   |  |  |
| TOWNSHIP       |                          | Charlottesville                               | Lake Erie  |  |  |
| LATITUDE       |                          |   | 42° 22' 36" North  |  |  |
| LONGITUDE      |                          |   | 80° 25' 04" West   |  |  |
| DATE COMPLETED |                          | 1952  | 10/27/58   |  |  |
| ELEVATION      |                          | 704'  | 573' + 20'   |  |  |
| TULLY          |                          |   |  |  |  |
| ONONDAGA       |                          | 239'-403'                                     |  |  |  |
| ORISKANY       |                          |   |  |  |  |
| SALT ZONE      |                          |   |  |  |  |
| LOCKPORT       |                          | 891'-1,100'                                   | 1,410'-1,680'  |  |  |
| MEDINAN        | RED MEDINA (GRIMSBY)     | 1,180'-1,293'                                 | 1,750'-1,815'  |  |  |
|                | WHITE MEDINA (WHIRLPOOL) | 1,293'-1,297'                                 | 1,886'-1,895'  |  |  |
| QUEENSTON      |                          | 1,297'-2,095'                                 | 1,895'-2,777'  |  |  |
| OSWEGO         |                          |   |  |  |  |
| TRENTON        |                          | 2,798'-3,498'                                 | 3,440'-4,195'  |  |  |
| POTSDAM        |                          |   |  |  |  |
| PRECAMBRIAN    |                          |   |  |  |  |
| TOTAL DEPTH    |                          | 3,772'  | 4,270'   |  |  |
| DEEPEST FM.    |                          | Theresa                                       | Little Falls   |  |  |
| REMARKS        |                          | Theresa 3,498'-3,772'. In Lot 21. Con. 1. (*) | Top of Little Falls 4,195'. Fresh water at 360'. Sulphur water at 950'. S. W. 1,575' & 4,238'. Gas at 442' & 642'. Dry hole. |  |  |



**TABLE I**  
**Index of Ontario, Canada, Well Records**

| RECORD                      | COUNTY    | QUADRANGLE    | MAP NO. | PAGE |
|-----------------------------|-----------|---------------|---------|------|
| C. Baxter et al. No. 492 ** | Welland   | Buffalo       | 51      | 398  |
| C. N. E. No. 1              | York      | A             | 1       | 396  |
| B. & F. Culp **             | Haldimand | Q             | 1       | 400  |
| L. Dickoof **               | Haldimand | Q             | 2       | 400  |
| Doughty No. 1 (*)           | Haldimand | R             | 2       | 401  |
| W. Evans No. 2 (*)          | Haldimand | R             | 4       | 401  |
| Gartstone No. 3 **          | Wentworth | L             | 1       | 397  |
| J. & S. Kelp No. 10 (*)     | Norfolk   | S             | 2       | 401  |
| J. A. Macklin No. 1 **      | Halton    | G             | 1       | 396  |
| H. Meadows No. 2 (*)        | Haldimand | R             | 1       | 400  |
| C. Overholt Est. No. 1 **   | Lincoln   | J             | 2       | 397  |
| F. Pearson No. 2 (*)        | Welland   | O             | 2       | 398  |
| B. Robertson No. 1 **       | Halton    | C             | 1       | 396  |
| A. Sharp No. 1 (*)          | Brant     | M             | 1       | 397  |
| K. Voakes No. 1 (*)         | Haldimand | S             | 1       | 401  |
| Well No. 1 (*)              | Norfolk   | T             | 1       | 402  |
| Well No. 2                  | Welland   | O             | 6       | 399  |
| Well No. 3                  | Welland   | O             | 5       | 399  |
| Well No. 4                  | Welland   | O             | 3       | 398  |
| Well No. 5                  | Welland   | Niagara Falls | 1       | 397  |
| Well No. 6                  | Lincoln   | J             | 1       | 397  |
| Well No. 7                  | Welland   | O             | 4       | 399  |
| Well No. 8                  | Welland   | O             | 1       | 398  |
| Well No. 273                | Welland   | P             | 1       | 399  |
| G. H. Wilson No. 1 **       | Peal      | B             | 1       | 396  |
| Well name unknown           | Welland   | P             | 2       | 399  |
| Well name unknown           | Haldimand | Q             | 3       | 400  |
| Well name unknown           | Haldimand | R             | 3       | 401  |
| Well name unknown           | Lake Erie | X             | 1       | 402  |







509.73

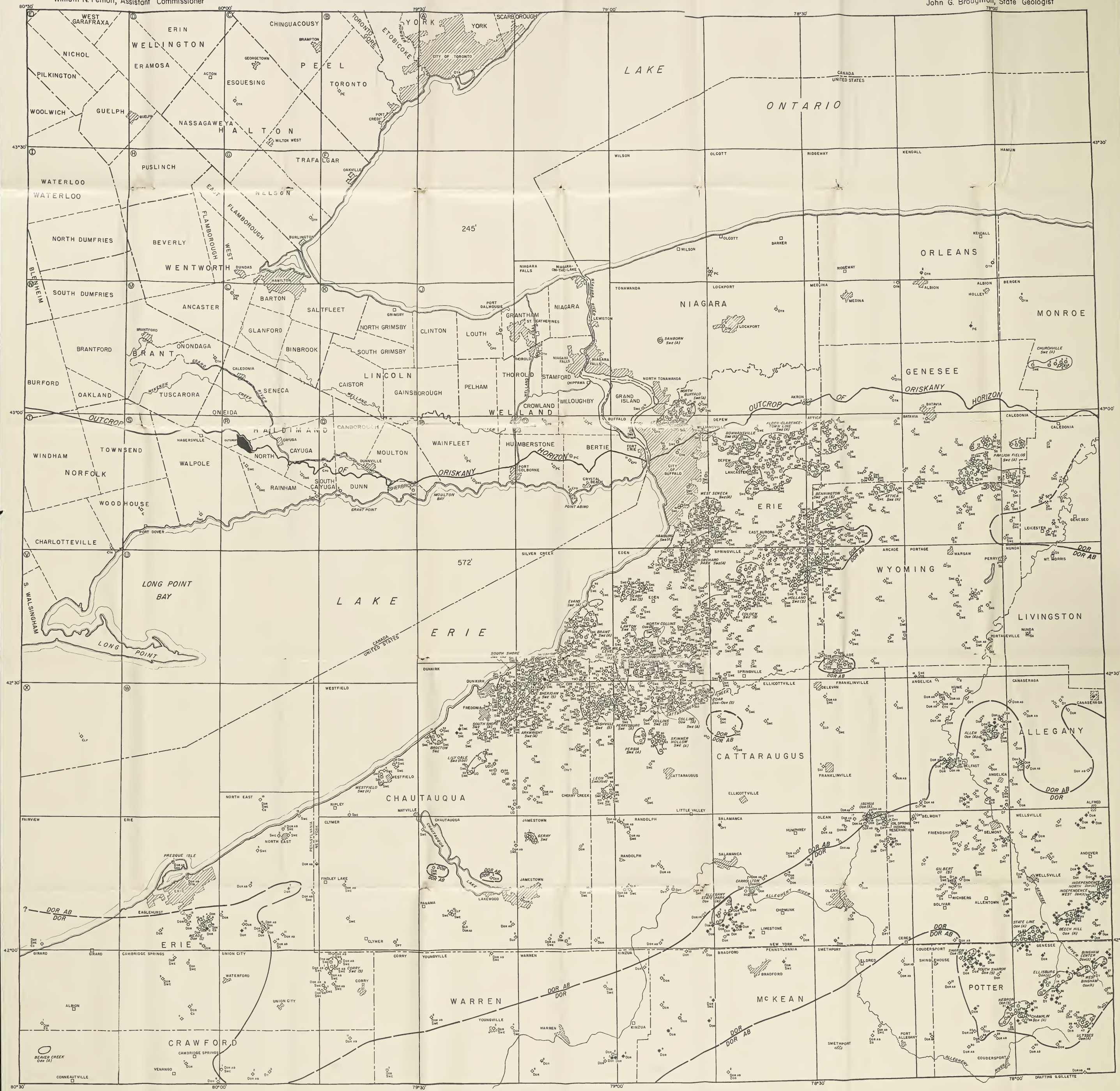
N7N95





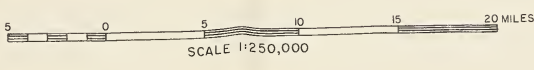
NEW YORK STATE MUSEUM AND SCIENCE SERVICE  
William N. Fenton, Assistant Commissioner

GEOLOGICAL SURVEY  
John G. Broughton, State Geologist



SELECTED DEEP WELLS AND AREAS OF GAS PRODUCTION IN  
WESTERN NEW YORK

BY  
W. L. KREIDLER, SENIOR GEOLOGIST  
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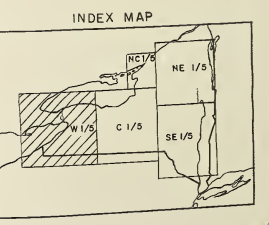


SYMBOL EXPLANATION  
Well 19  
Oswego deepest formation penetrated  
Oriskany sandstone absent

- |                 |                              |
|-----------------|------------------------------|
| GAS FIELDS      | o LOCATION                   |
| (A) ACTIVE      | o LOCATION ABANDONED         |
| (Abd) ABANDONED | o OIL SHOW                   |
| (S) STORAGE     | o DRY HOLE                   |
| (I) INACTIVE    | o SALT WATER                 |
|                 | o SHOW OF GAS                |
|                 | o SHOW OF GAS AND SALT WATER |
|                 | o GAS WELL                   |
|                 | o SALT WELL                  |
|                 | o SALT SHAFT                 |
|                 | o SALT SHAFT ABANDONED       |

- |                        |                  |
|------------------------|------------------|
| DEVONIAN               | ORDOVICIAN       |
| DU UPPER DEVONIAN      | Oq QUEENSTON     |
| DPT POST TULLY         | Oos OSWEGO       |
| DT TULLY               | Otr TRENTON      |
| DON ONONDAGA           | Oth TRIBES HILL  |
| DOR ORISKANY           |                  |
| DOR AB ORISKANY ABSENT |                  |
|                        | CAMBRIAN         |
|                        | CLF LITTLE FALLS |
|                        | Cg GATESBURG     |
|                        | CTH THERESA      |
|                        | CPO POTSDAM      |
|                        | PRECAMBRIAN      |
|                        | PC PRECAMBRIAN   |
| SILURIAN               |                  |
| Ss SALINA              |                  |
| SLO LOCKPORT           |                  |
| SCL CLINTON            |                  |
| SME MEDINA             |                  |

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